

F1EHN – Photo database of EME antennas with their exact location.

Dear EMERs,

Today it is possible to store photos on the web, to geo-localized they. So, I propose to create an EME antennas database and to put it available for the EME community.

Then each EMER will be able to visualize the antenna of the DX station he is contacting. How to do that ? with downloading the database file (an example is available on [my web site](#)) into Google Earth.

This feature will also be available in the coming version of EME System.

Of course, all is free (storage, database, update, use)....

Allen K2UYH has done a first appeal in the march 2008 EME NL.

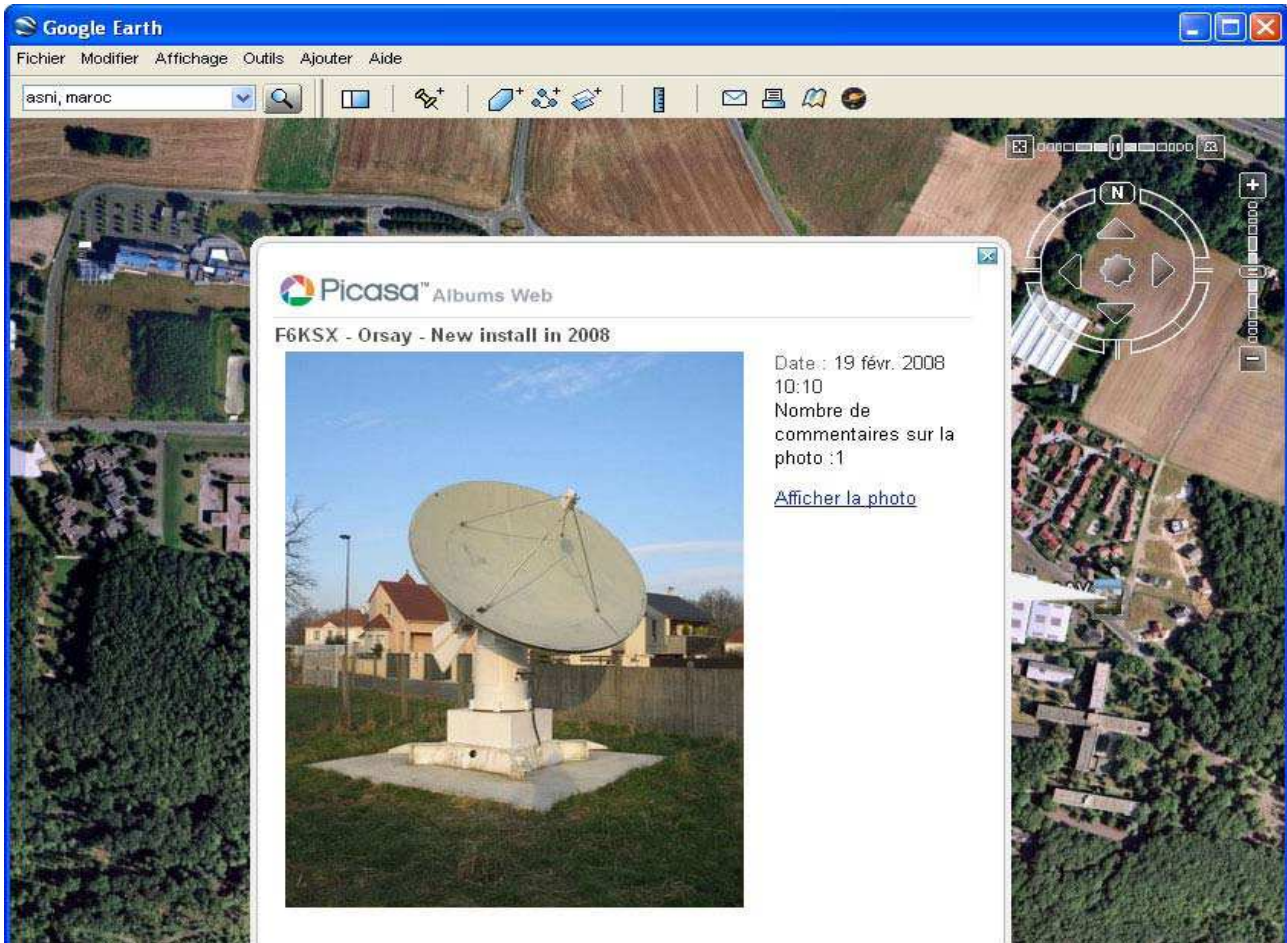
Send me via email (jj@f1ehh.org) :

- a photo of your antenna (1 per band) (640*480 pxl or more)
- a comment / title of this photo (ex : F6KSX 3cm – 3.3m dish)
- add a precise latitude and longitude (exact location/position of the antenna)
- your grid square (locator)
- the nearest city to check the location of the photo

Some details on my web site : <http://www.f1ehh.org>

See examples:

1. Visualize the photos with Google Earth : (load the EME.kmz example file)



2. Select the DX station into Tracking which automatically links the DX info to Google Earth. See example below with NC1I as DX

The screenshot displays the EME System - Tracking software interface. The main window shows a world map with a grid overlay, indicating the location of the DX station (NC1I U.S.A. - MA) and the local station (F1EHN / VELIZY). The interface includes several data fields and controls:

- Moon:** Com (Moon phase indicator)
- Azimuth:** 258,29
- Elevation:** 18,22
- UTC:** sam. 5 evr 2008, 15:57:43, Local summer time checked
- Traffic:** 1st / 2.5mn
- Band (MHz):** 10 368
- Doppler (Hz):** -15 861

The interface also features a list of DX stations on the left, including Tanneur, Hotel 3 golfs, DLOSHF, F6K5X, Orsay, and Vélizy. The 'Infos pratiques' section shows the view set to 'Infos de base' and a list of map layers such as 'Base de données primaire', 'Relief', and 'Infos géographiques du Web'.

The background shows a Google Earth satellite view of the Vélizy location. A white beam of light points from the station location on the world map to the actual location on the satellite image. A photo window is open, showing a photograph of the 'magi 70cm EME array' antenna. The photo metadata includes the date '21 janv. 2008 12:15' and the number of comments '1'. The photo is titled 'magi 70cm EME array' and is from 'Albums Web'.

At the bottom of the Google Earth window, the coordinates are displayed: Pointeur lat: 42.041721° long: -72.823361° élév.: 129 m. The altitude is 10.12 km. The interface also shows copyright information for TurnHere, Inc., MassGIS, and DigitalGlobe.