Antenna Bearing Tool Help
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Antenna Bearing Tool is a simple tool with its primary function to show the direction a "Basestation Transmitter Site" [BTS] antenna should be aimed using known land marks instead of using a magnetic compass. The land mark must be visible and identifiable from the BTS.
NOTE: [BTS = Cell Phone Tower]

There are a many reasons for using this method in preference to using a compass:
1. Antenna bearings are usually referenced to True North and it is a common mistake to apply the correction for a magnetic bearing in the wrong direction, therefore doubling the offset.
2. In many cases steel work or electric power sources affect the compass.
3. The only magnetic compass available may be the one in your Samsung phone.

The principle of use is simple:
1. The Icon for the BTS is located on the map at the transmitting site.
2. The Icon for the Land Mark is located on the map at the land mark.
3. The desired antenna bearing [degrees true] is entered via the keyboard. [Click the white text to activate the keyboard entry]
4. The two lines on the map show the line to the land mark [RED] and the desired antenna bearing [GREEN].

You can then point the Red line towards the land mark and aim the antenna along the Green line.
Alternatively the Offset can be read from the screen and a protractor/theodolite used in place of the phone.

BTS and Land Mark Icon Location:
The BTS Icon can be located on the map in two ways:
1. Click the icon and Click the desired position on the map. [Icons cannot be dragged.]
2. Enter the Latitude and Longitude to the display via the keyboard. [Click the white text to activate the keyboard entry]

Map Control
1. The map centre can be moved by dragging, zoom is controlled by the scroll wheel or the map Zoom control.
2. Click the "Map Type" button. The map will toggle between Road Map and Satellite views.
3. Click the "Auto Zoom" button. The map will move and centre and attempt to show both BTS and Land Mark icons.

Save
The "Save" button will save the screen as a Portable Networks Graphic [png] file. The user enters a file name without the .png extension

Files
The "Files" button allows the user to view, delete and print saved files.

Menu
The single menu item is "Information".
From here you can access this file or information about the Application.

End of File