13.5 Plugins Library

13.5.1 Antenna plugin elements

To create or modify a library element containing parameters of a particular antenna, select the **Antennas** command from the **Library pull-down menu** or directly with **CTRL+SHIFT+A**.

Since the antenna is implemented as a plugin, it is possible to include a new antenna plugin using the .jar installer and to add it to the list of existing pre-defined antennas. Any of the antenna elements is then selectable as shown in the picture below:

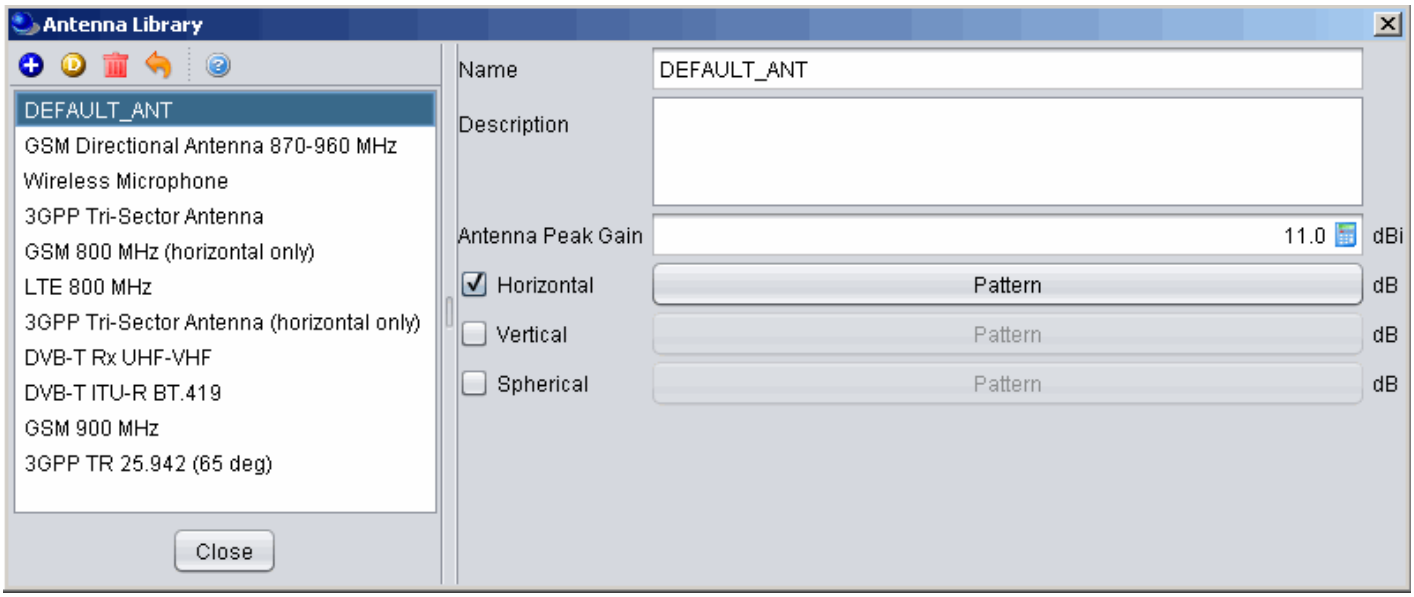

Figure 295: Example of the antenna library

When adding a new antenna, enter the name (unique identifier) and description of the antenna as well as its technical parameters - peak gain and one or more radiation patterns, as necessary. See Annex A11.6 for further details.

Note 1: It is possible to quickly see the antenna pattern with mouse-over capability on top of the pattern button.

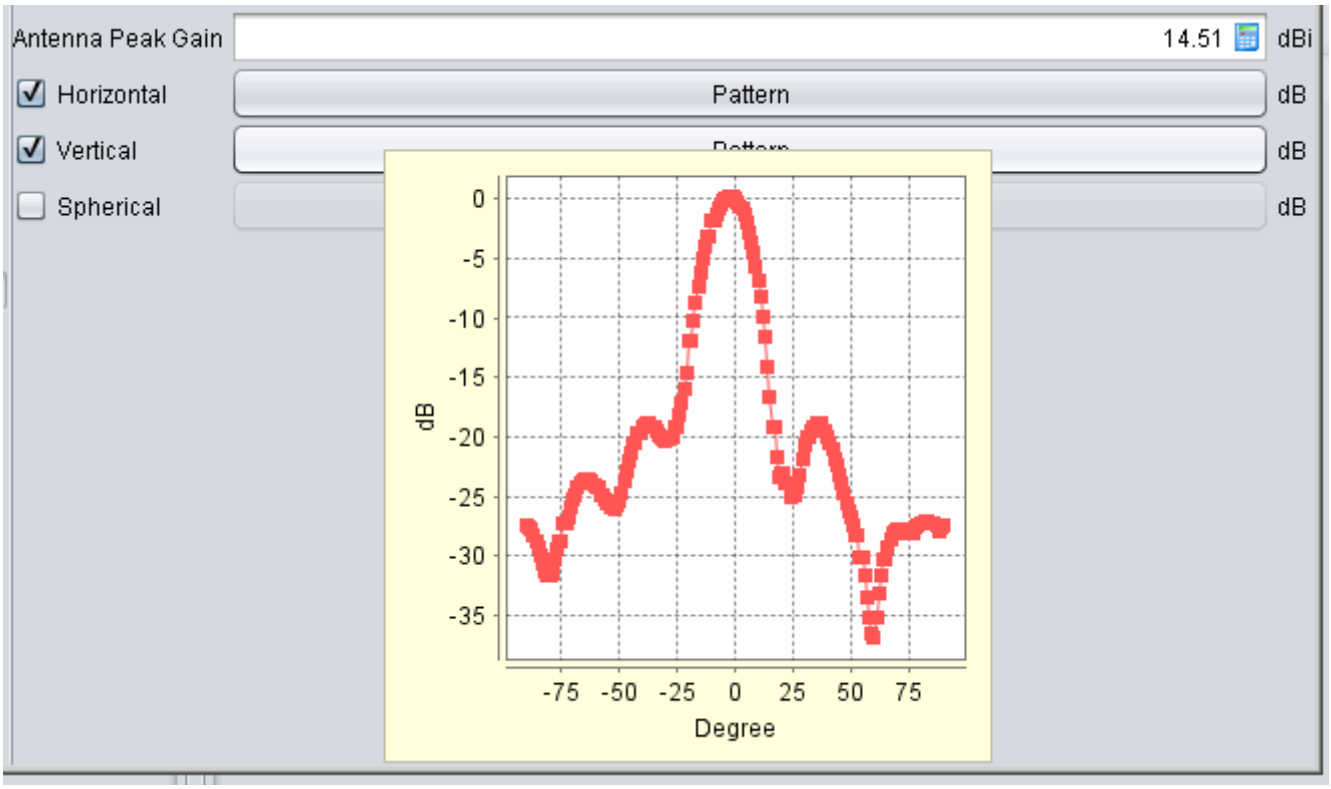

Figure 296: Quick over mouse preview of the pattern

Note 2: If none of the radiation patterns is checked, SEAMCAT will assume this being an omni-directional antenna.

Note 3: It is possible to create an antenna from the workspace and export it to your library environment.

13.5.2 Coverage radius plugin elements

To create or modify a coverage radius element, select the **Coverage radius library** command from the **Library pull-down menu** or directly **CTRL+SHIFT+C**. This activates the Coverage radius library window which displays a list of existing Coverage radius options:

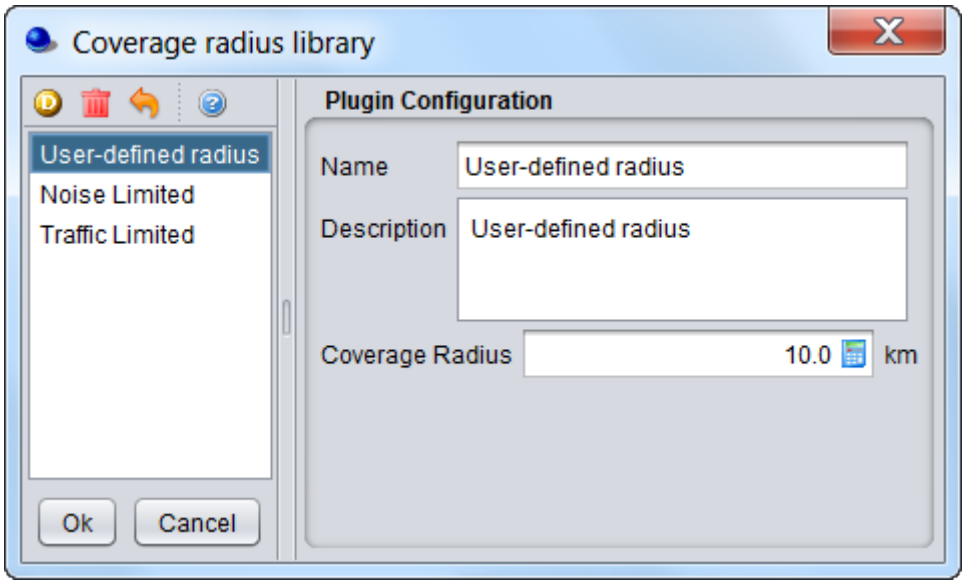

Figure 297: Example of the coverage radius plugin library

13.5.3 Propagation model plugin

To create or modify a library element containing parameters of a particular propagation model, select the **Propagation model** command from the **Library pull-down menu** or directly with **CTRL+SHIFT+P**.

Since the propagation models are implemented as plugin, it is possible to include a new propagation model using the .jar installer and to add it to the list of existing pre-defined models. Any of the propagation models is then selectable as shown in the picture below:

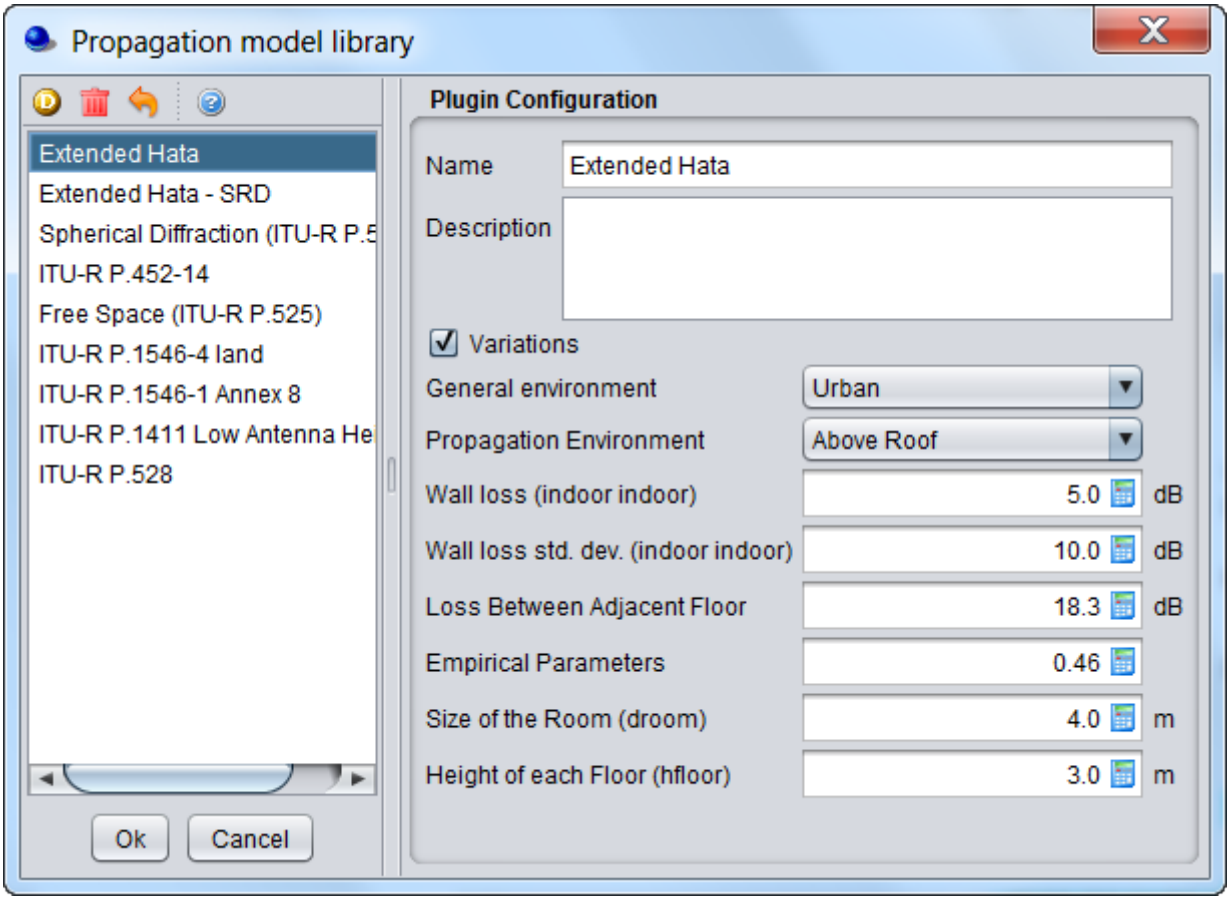

Figure 298: Example of the propagation model plugin library

More detailed information on specific propagation models is available in ANNEX 17:

13.5.4 Event Processing Plugin

To create or modify a library element containing parameters of a particular event processing plugin, select the **event processing plugin** command from the **Library pull-down menu** or directly with **CTRL+SHIFT+E**. A list of available built-in event processing plugin is available in Figure 240.