

13.4.6 CDMA Link level data

To create or modify CDMA Link level data set, select the **CDMA Link level data** command from the **Library pull-down menu** or directly **CTRL+SHIFT+L**. This activates the CDMA Link level data window which displays a list of existing CDMA Link level data:

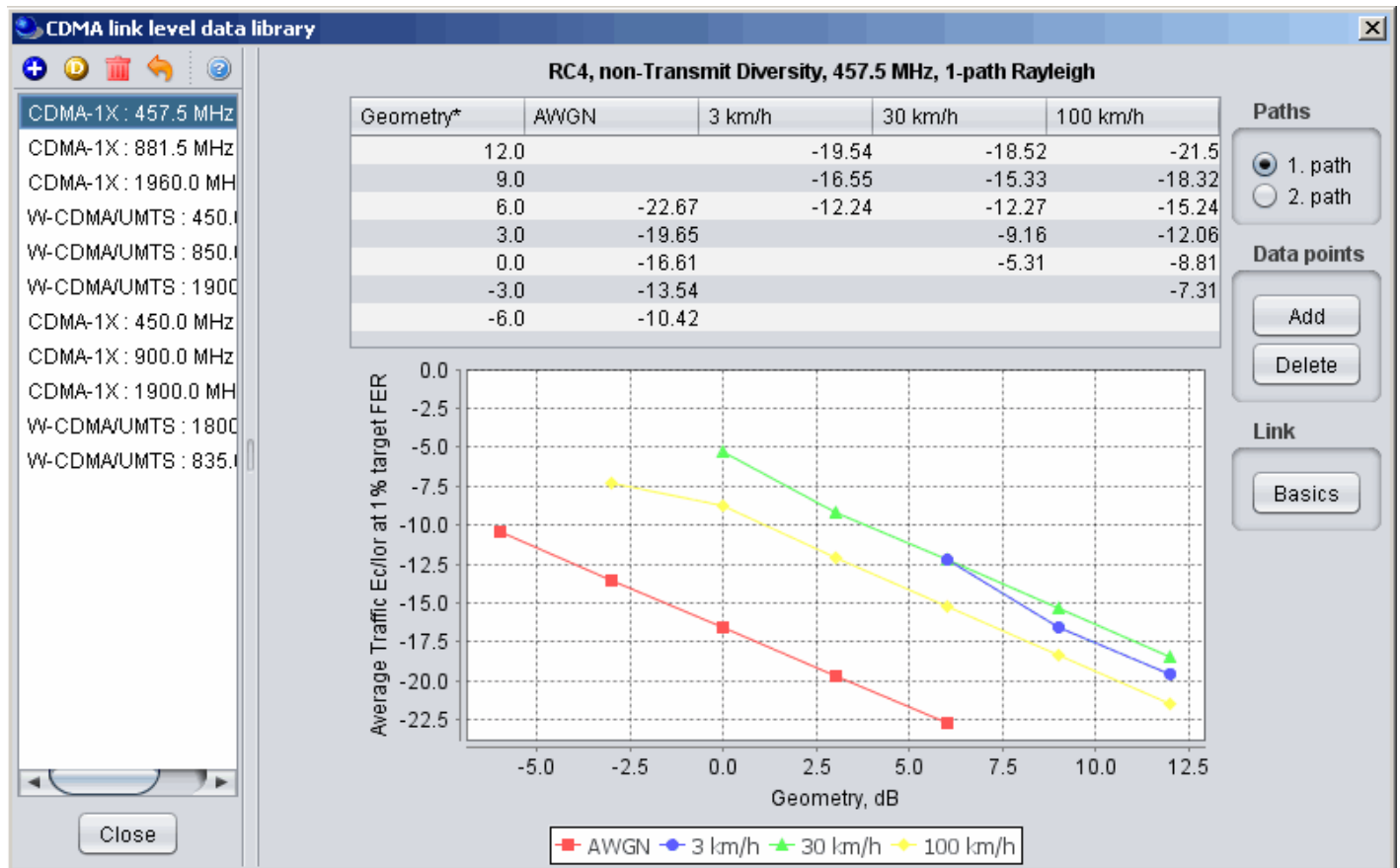


Figure 292: CDMA Link level data library elements

Regarding the library sets of CDMA Link level data, the default sets distributed within SEAMCAT library are understood to be sufficient to cover typical CDMA systems expected to be deployed in Europe and their respective frequency bands. Any additional link level data may be defined to cover other types of CDMA systems. However, it is recommended that only users with advanced knowledge of CDMA systems develop the new CDMA Link level data for SEAMCAT simulations as several considerations should be kept in mind before creating new Link level data:

- The SEAMCAT CDMA Link level data have different formats for uplink and downlink sections of CDMA link. In particular, the Link level data for **uplink** provides **E_b / N_o requirements**, whereas **downlink** data define the **E_c / I_{or} requirements**;

- Check carefully that the newly created CDMA link level data is appropriate for the SEAMCAT's CDMA simulation methodology for the respective section of the link (uplink/downlink).

From the workspace, select the relevant library item as shown below:

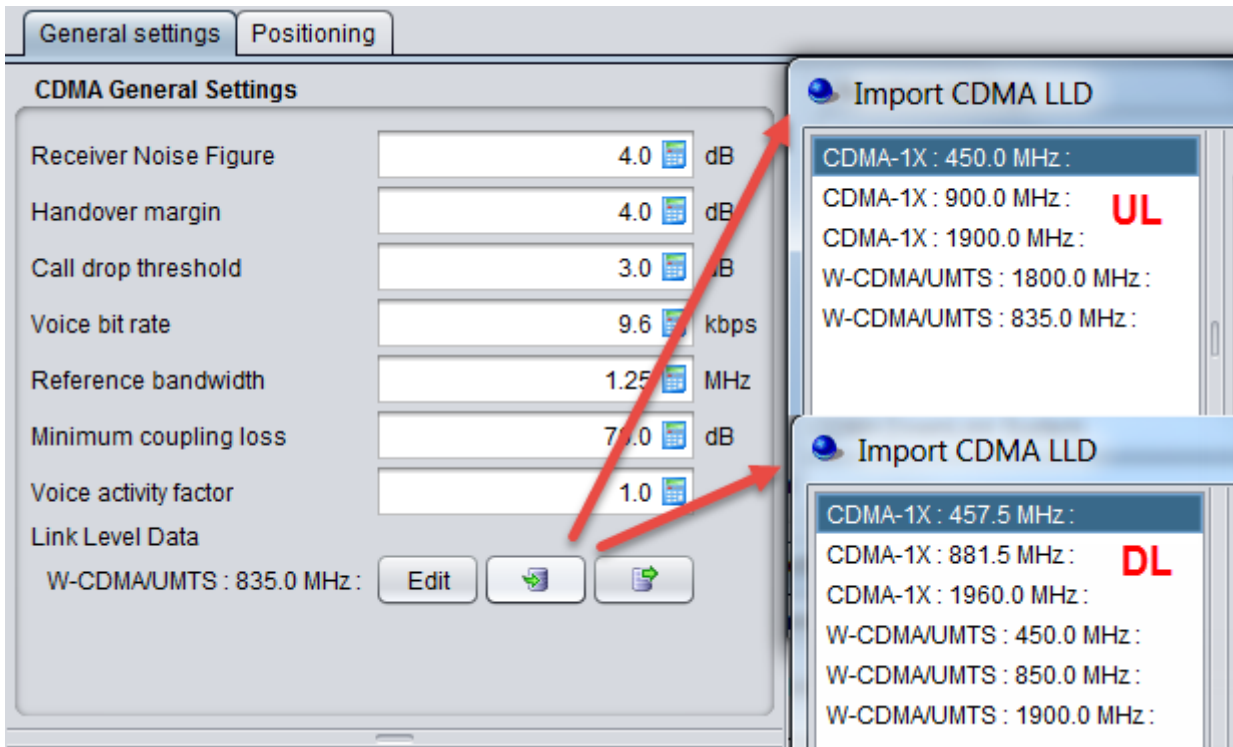


Figure 293: Example on how to import/export to/from the workspace/library for the CDMA Link Level data library elements

When adding or editing a data set, a table with data points is displayed and new data points entered will appear on the graph (for Downlink sets). For Downlink sets, every data point must as a minimum contain a geometry value, otherwise it is invalid and it will not be possible to leave the editing dialog.

Basic information about the link-level data set can be viewed and amended in by clicking **Basics** button in the sidebar of the edit window. This will display a new dialog.

Note: When **Ok** is clicked in the basics dialog any information changed in this dialog will be saved immediately even if **Cancel** is subsequently pressed in the overlying data point window.

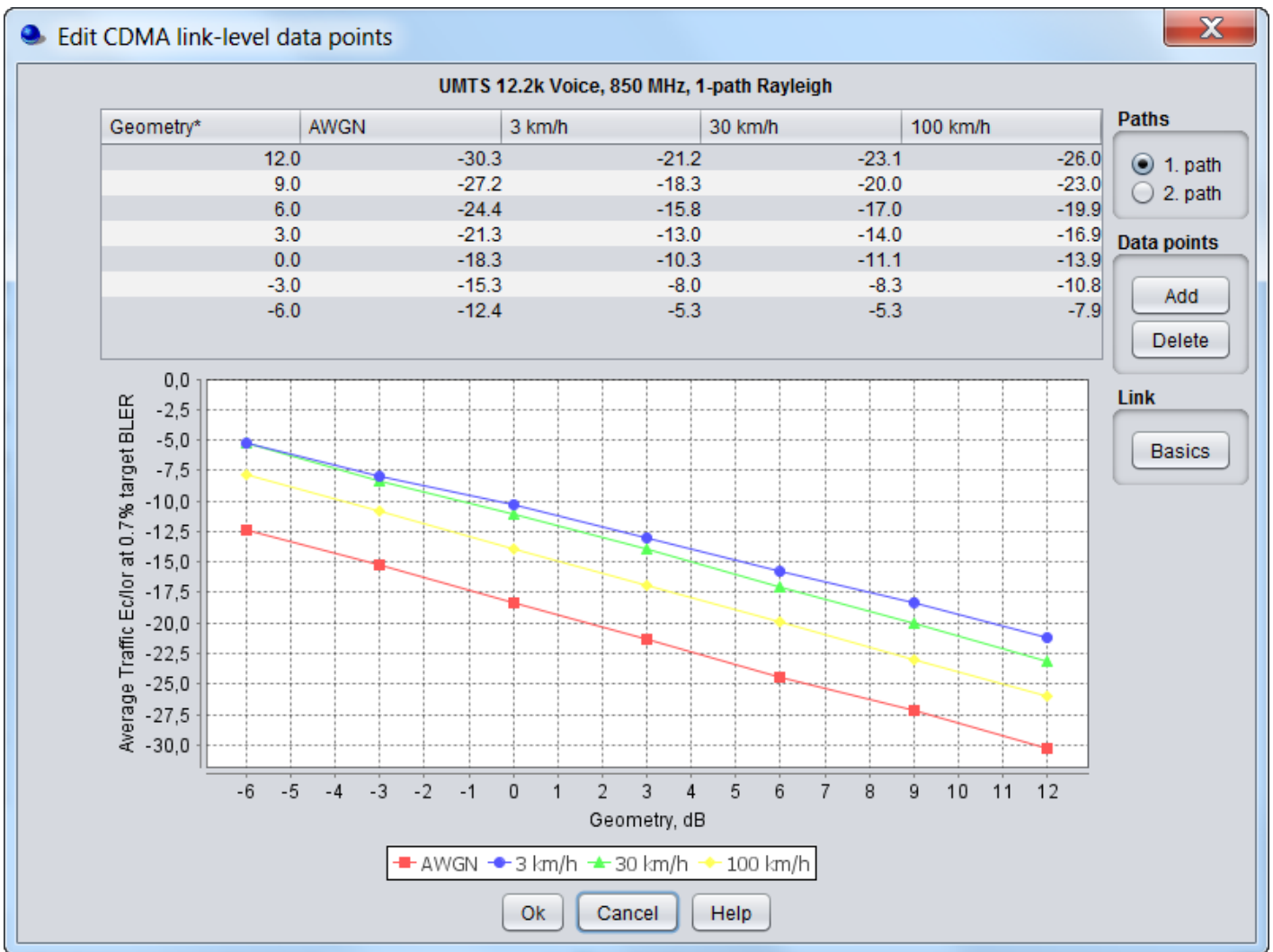


Figure 294: Example on how to edit a CDMA Link Level data element

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