

internally created User Correction data can be exported into ASCII files using the export function.

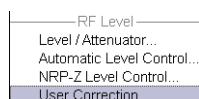
The amplitude can also be linearized automatically by means of an R&S NRP power sensor connected to one of the generator output signals. With the aid of the "Fill with Sensor" function, a table with correction values for external test assemblies can be automatically determined, e.g. for compensating the frequency response of cables. The User Correction list with the correction values acquired by the sensor is generated in the "Edit User Correction List" menu. The correction values can be acquired any time irrespective of the modulation settings of the generator.

If user correction is activated, the "UCOR" display (User Correction) is shown in the header together with the "Level" display. The RF output level is the sum of both values.

"Level" + "UCOR" = Output level

If activated, user correction is effective in all operating modes.

### User Correction Menu



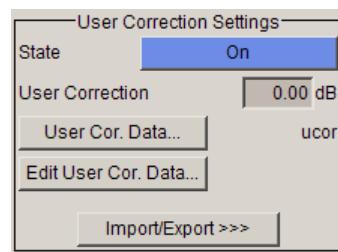
To open the "User Correction" menu, select "RF > Configure > User Correction" or use the [MENU] key under "RF".

The combined menu "ALC/UCOR" is divided into the several sections.

### User Correction Settings

The "User Correction" settings are set in the most lower section of the combined dialog; this section is used to activate/deactivate user correction, and to create, select and activate the lists.

The upper section provides access to the automatic level control settings, see [Chapter 4.3.5.4, "Automatic Level Control - ALC", on page 153](#).



#### State - User Correction

Activates/deactivates user correction.

The "UCOR" status message appears in the frequency and level display.

Remote command:

`[ :SOURce<hw> ] :CORRection[:STATe]` on page 342

#### User Correction Value - User Correction

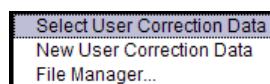
Indicates the current value for level correction.

Remote command:

`[ :SOURce<hw> ] :CORRection:VALue?` on page 342

**User Cor. Data - User Correction**

Calls the "File Select" menu for selecting and creating a list or the "File Manager".



Remote command:

[\[:SOURce\] :CORRection:CSET:CATalog?](#) on page 335

[\[:SOURce<hw>\] :CORRection:CSET\[:SElect\]](#) on page 341

[\[:SOURce\] :CORRection:CSET:DElete](#) on page 337

**Edit User Cor. Data - User Correction**

Calls the editor for editing the selected user correction list.

A list consists of any number of frequency/level value pairs. The currently selected list is displayed.

Each list is saved as a separate file with extension \*.uco. The file name and the directory to which the file is saved are user-selectable.

**Note:** Save list only after filling both columns (frequency and level), otherwise the entries are lost.

Edit User Correction Data ucor_list1		
	Frequency/Hz	Power/dB
6	5 300 000.00	5.42
7	6 300 000.00	4.73
8	7 300 000.00	4.15
9	8 300 000.00	3.72
10	9 300 000.00	3.28

Goto Edit Save

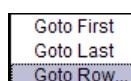
"Frequency /Hz" Enters the frequency to which the level correction value applies.

"z" **Note:** The "Fill..." function allows to automatically enter any number of frequencies with freely selectable range and increment.

Using the "Fill With Sensor" function of the "Edit" sub menu requires only the entry of the frequency values. The level values are automatically acquired by the connected power sensor.

"Power/dB" Enters the level correction value to which the specified frequency applies. The values can be entered manually or automatically with the "Fill With Sensor" function (available in the "Edit" sub menu).

"Goto" Selects row for editing.



If Goto row is selected, a window opens for entering the requested row.

