

Catch Range +/-

Sets the capture range of the control system.

Within the range:

Target Level +/- Catch Range

the power control locks and tries to achieve the target level. Readings outside the range are not considered.

Remote command:

[**:SOURce<hw>[:POWER:SPC:CRAnge** on page 389]

Delay Time

Defines a waiting period between the level adjustment of the generator and the next measurement of the power sensor.

With this parameter, you compensate any dead times in the controlled system.

Remote command:

[**:SOURce<hw>[:POWER:SPC:DELay** on page 389]

Use Peak Power

Activates control by means of the peak power values, provided the power sensor supports this function. Otherwise, the dialog does not show this parameter.

Remote command:

[**:SOURce<hw>[:POWER:SPC:PEAK** on page 390]

Use SParameter - Power Sensors

Activates the use of the S-Parameter correction data of the connected power sensor. For sensors with attenuator this checkbox is automatically checked.

Refer to the manual of the connected R&S NRP power sensor for a description on how to use the SParameter table.

Remote command:

[**:SENSe<ch>[:POWER]:CORRection:SPDevice:STATE** on page 323]

4.3.5.6 User Correction

The "User Correction" function is used to create and activate lists in which level correction values predefined by the user are freely assigned to RF frequencies. Correction is performed by the user-defined table values being added to the output level for the respective RF frequency.

With frequencies which are not contained in the list, the level correction is determined by interpolation of the closest correction values.

The lists are created in the "List Editor". Each list is stored in its own file with the predefined file extension *.uco. The name of the User Correction file can be freely selected. The files are loaded from the "Lists..." file manager. Externally created tables with pairs of frequency and level values can be converted into User Correction files using the import function. The external files must have the file extension *.txt or *.csv. These file formats are provided e.g. by the Microsoft Excel program. The separators for table columns and for decimal floating-point numerals can be set. In addition,