

Offset (Level)

Sets the level offset relative to the RF level.

The level offset of a downstream instrument (for example an attenuator or amplifier) is entered.

The entry does not change the value of the RF level at the RF output. It only changes the RF level displayed in the display header. The value of the RF level in the header corresponds to the level at the output of the downstream instrument.

Remote command:

`[:SOURce<hw>] :POWer [:LEVel] [:IMMediate] :OFFSet` on page 385

Ignore Level Range Warnings

Suppresses warnings the instrument generates when either the level, or the PEP value are out of range. This function prevents automated measurements from being stopped due to a level warning.

The following warnings are suppressed in both, the history and in the error queue:

- Level overrange / level underrange
- PEP value greater than defined upper bound / PEP value less than defined lower bound (fix range)

Remote command:

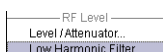
`[:SOURce] :POWer :WIGNore` on page 386

Low Harmonic Filter Settings

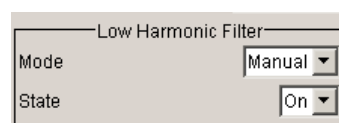
In 20 GHz or 40 GHz instruments (option R&S SMB-B120(L) /-B140(L)), you can install a low harmonic filter (option R&S SMB-B25 /-B26), to improve the harmonic performance.

See the website <http://www.rohde-schwarz.com/product/smb100a.html> or the data-sheet for more information on the options available according to the features of your instrument.

For a fitted low harmonic filter, you can define its operating mode in section "Low Harmonic Filter" of the "RF Level / EMF" dialog. Otherwise, the section is hidden.



- To access the filter settings, select "RF > Config > RF Level > Low Harmonic Filter".

**Mode**

Selects between automatic or manual switching of the filter.

"Auto"

The filter switches automatically on and off, according to the given operating conditions. It is active within a certain frequency and level range and automatically turns off, if the frequency falls below the lower limit, or the level exceeds the upper limit.

The corresponding limit values are given in the data sheet.

Note: The [State](#) field shows the current state of the filter.