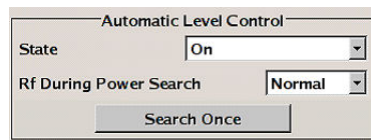### Automatic Level Control Settings

To open the "Automatic Level Control" dialog, select "RF" > "Configure" > "Automatic Level Control" or use the [MENU] key under "RF".

The combined dialog "ALC / UCOR" is divided into the several sections and provides access to the "Automatic Level Control" settings and to function "User Correction", see Chapter 4.3.5.6, "User Correction", on page 159).

State - ALC
Activates/deactivates internal level control.

"Auto"   The instrument selects the most appropriate ALC mode automatically. ALC is on in most operating conditions. Default state.

"On"   Activates ALC, regardless of the operating conditions.

"Off (Sample & Hold)"
                  Deactivates internal level control.
                  Sample & hold closes the level control loop at every frequency and level change for a short period of time. The level control voltage is sampled and then clamped.

Remote command:
[:SOURce<hw>]:POWer:ALC[:STATe] on page 383

RF During Power Search - ALC
Activates the mode for the mechanical step attenuator and for output during ALC power search.

"Normal"   The RF output is active during power search.

"Minimum"   The RF output is inactive during power search.

Remote command:
:OUTPut<hw>:ALC:SEARch:MODE on page 315

Search Once - ALC
Forces the generator to execute level adjustment once, although the "Sample & Hold" mode is active.

Remote command:
[:SOURce<hw>]:POWer:ALC:SONCe on page 383

4.3.5.5   NRP Level Control

With the NRP Level Control function, you can achieve a very stable and accurate RF power supplied to your DUT. With the aid of a downstream control circuit, a CLPC (Closed Loop Power Control), you can detect frequency response characteristics of the used components, such as losses due to cables, modules or components like power amplifiers, and compensate these effects accordingly.