4.5.2 LF Output

Modulation Generator
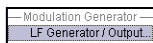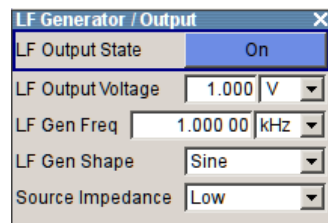LF Generator / Output...

► To open the "LF Generator / Output" dialog, select "Mod Gen > Configure > LF Generator / Output" or use the [MENU] key under "Mod Gen".

LF Generator / Output	
LF Output State	On
LF Output Voltage	1.000 V
LF Gen Freq	1.000 00 kHz
LF Gen Shape	Sine
Source Impedance	Low

The dialog provides access to the configuration of the internal modulation generators, and you can activate the output of the LF signal
The available settings depend on the source selected and on the installed options. Alternatively, you can perform the settings also in the correpsonding dialogs of the analog modulations, like "Amplitude Modulation". The configured LF signal applies to all modulations which use the internal modulation sources, and to the LF output.

ⓘ **AM Exponential (Instruments with 12, 20, or 40 GHz frequency options)**

If you perform exponential AM (AM Type Exponential) with the internal signal of the LF generator, the [LF] output provides the exponential modulation signal.

Using AM Source External, the instrument supplies the distorted external signal. The signal of the internal modulation generator is not available, as well as setting the parameters LF Gen Freq and "LF Gen Shape" on page 206.

The remote commands required to define these settings are described in Chapter 6.13.6, "SOURce:LFOutput Subsystem", on page 354.

4.5.2.1 LF Output Dialog

LF Output State
Activates the LF output. This setting has no effect on the modulations.

The modulation signal is output at the [LF output] connector of the instrument.

Remote command:
[:SOURce]:LFOutput[:STATe] on page 357

LF Output Voltage
Sets the voltage (peak) of the LF output signal.

Remote command:
[:SOURce]:LFOutput:VOLTage on page 364

LF Gen Freq
Sets the frequency of the LF generator.

This setting affects all analog modulations which use the LF generator as the internal modulation source.