PhiM Sensitivity

Displays the input sensitivity of the externally applied modulation signal at the [MOD EXT] input in RAD/V.

The modulation deviation entered with PhiM Deviation"PhiM Deviation" is achieved with 1 Volt (=U_{peak}) of the input signal.

Note: The input voltage must not exceed 1.1 V_p otherwise modulation distortions occur.

Remote command:

[:SOURce<hw>]:PM:SENSitivity? on page 381

Mod Ext Coupling

Selects the coupling mode ("AC" or "DC") for the external modulation signal.

Note: Coupling for external feed via input [MOD EXT] can be set independently for all modulations using the external modulation signal.

"AC"   Disconnects the DC voltage component and uses only the AC component of the modulation signal.

"DC"   Uses the modulation signal with both components, AC and DC.

Remote command:

[:SOURce<hw>]:PM:EXTernal:COUPling on page 379

Ext. Impedance

(Source "External" only)

Sets the impedance for the external modulation signal, applied at the [MOD EXT] connector.

You can select 600 Ohm or high (>100 kOhm).

This setting affects all analog modulations which use the external modulation signal.

Remote command:

[:SOURce<hw>]:INPut:MODext:IMPedance on page 353

Ignore Overvoltage Warning

Suppresses warnings the instrument generates when the modulation signal input is overloaded.

This function prevents a warning caused by signals, that generally comply with the specification, but temporarily overload the input, for example due to spikes. The warning is suppressed in the history, and in the error queue.

Note: This setting is not affected by an instrument preset ([preset] key), *rst or the Save/Recall function. Only the factory preset resets (enables) this setting.

Remote command:

[:SOURce<hw>]:INPut:MODext:WIGNore on page 353

4.4.5 Pulse Modulation (PM)

The available options for performing pulse modulation include:

● option Pulse Modulator (R&S SMB-K22)