Bode Plot Settings

► To open the "Bode Plot" configuration menu, tap "Setup" inside the "Bode Plot" result box.

Bode Plot

Amplitude Profile	⬜ ○
Amplitude	250 mVpp
Load	50Ω / **High-Z**
Points per Decade	10 Pts
Maximum Phase	180°
Display Meas. Points	
Meas. Delay	0 s

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Amplitude Profile

Enables the amplitude profile. You can then define different amplitudes for different frequency in the "Configuration" dialog. This is useful when testing sensitive circuits, where the amplitude gets too high. In this case distortion might occur.

If this function is enabled, a diagram of the amplitudes for the different frequencies can be displayed on the screen. To do that, press at the bottom of the Bode plot window. You can configure the value curve through the touchscreen.

Remote command:
BPLot:AMPLitude:MODE
BPLot:AMPLitude:ENABle

Configuration

Opens a dialog to set the amplitude profile. For each point, you can set an amplitude and frequency pairs.

Remote command:
BPLot:AMPLitude:PROFile:POINt<n>:AMPLitude
BPLot:AMPLitude:PROFile:POINt<n>:FREQuency

Ampl.

Sets a fixed amplitude.

Points

If the "Amplitude Profile" is enabled, select the number of different points that you can define for the amplitude profile.

Remote command:
BPLot:AMPLitude:PROFile:COUNt

Load

Selects the generator voltage display for 50Ω or high impedance load.

Points per Decade

Sets the number of points per decade that are measured.

Remote command:
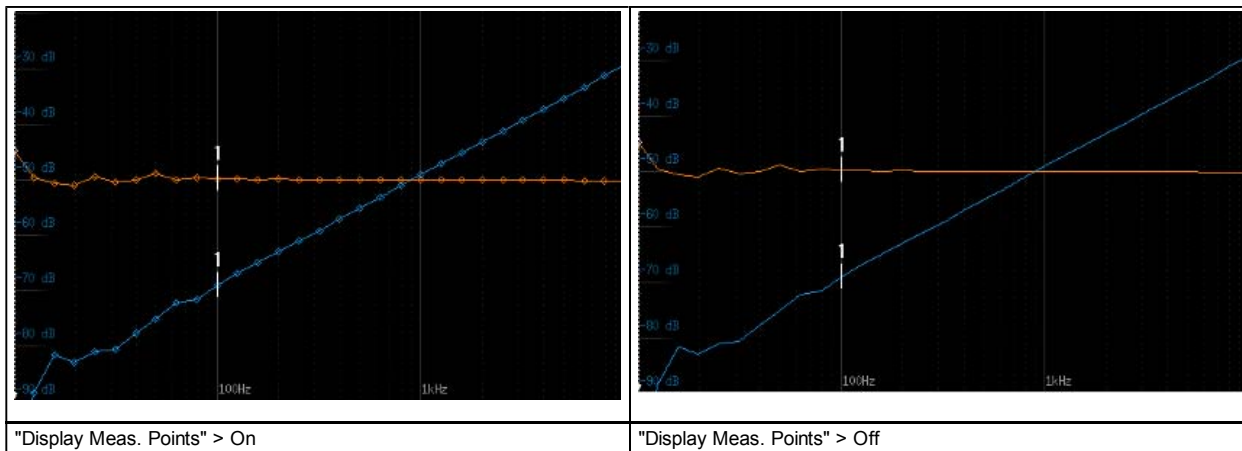BPLot:POINts:LOGarithmic

Maximum Phase

Sets the upper boundary of the vertical phase window.

The lower boundary is given by "Maximum Phase" - 360°. By default, the "Maximum Phase" is set to 180° for a phase window ranging from -180° to 180° accordingly.

Display Meas. Points

Enables the display of the measurement points in the bode plot.

"Display Meas. Points" > On	"Display Meas. Points" > Off

Remote command:
BPLot:MEASurement:POINt[:DISPLAY]

Meas. Delay

Sets a time delay, that the system waits before measuring the next point of the bode plot. This is helpful in systems that need more time to adapt to the new frequency, for example if filters with significant time group delays are present.

Remote command:
BPLot:MEASurement:DELay