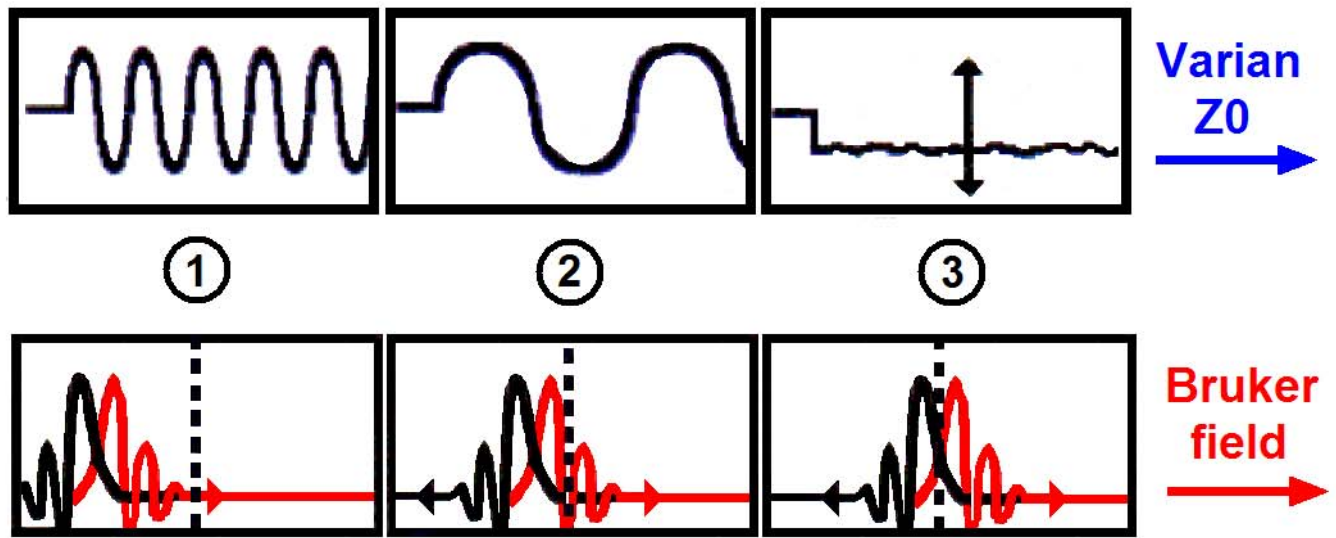
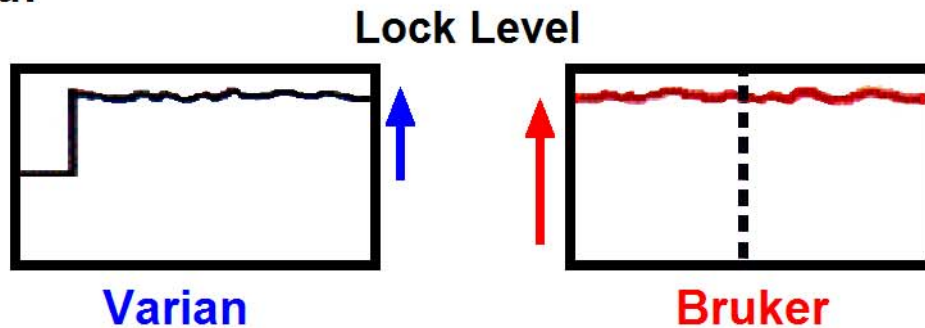


# Lock Display

Unlocked:



Locked:



Adjust the Field ( $Z_0$ ) to center the  $^2\text{H}$  signal to the zero frequency (null point) of the lock feedback loop. On the Varian,  $Z_0$  decreases the time domain frequency (number of cycles displayed) as the null point is approached until, at zero frequency, an unsteady horizontal line is displayed. For Bruker, the center of the lock pattern, between the leftward-swept peak and the rightward-swept peak, is moved to the center vertical line of the screen grid using the Field adjustment. On both systems, the locked display is a steady horizontal line above the baseline; its height indicates the lock level.