

# Ten Steps for Performing TDR (Low Pass Step)

1. Set up desired frequency range (need wide span for good spatial resolution)
2. Under SYSTEM, transform menu, press "set freq low pass"
3. Perform one- or two-port calibration
4. Select S11 measurement \*
5. Turn on transform (low pass step) \*
6. Set format to real \*
7. Adjust transform window to trade off rise time with ringing and overshoot \*
8. Adjust start and stop times if desired
9. For gating:
  - set start and stop frequencies for gate
  - turn gating on \*
  - adjust gate shape to trade off resolution with ripple \*
10. To display gated response in frequency domain
  - turn transform off (leave gating on) \*
  - change format to log-magnitude \*

\* If using two channels (even if coupled), these parameters must be set independently for second channel

