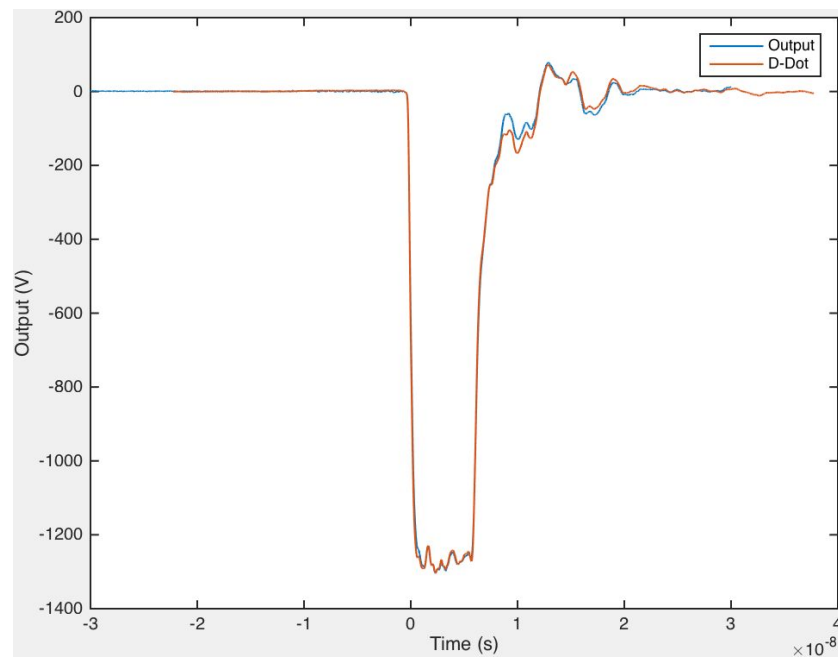




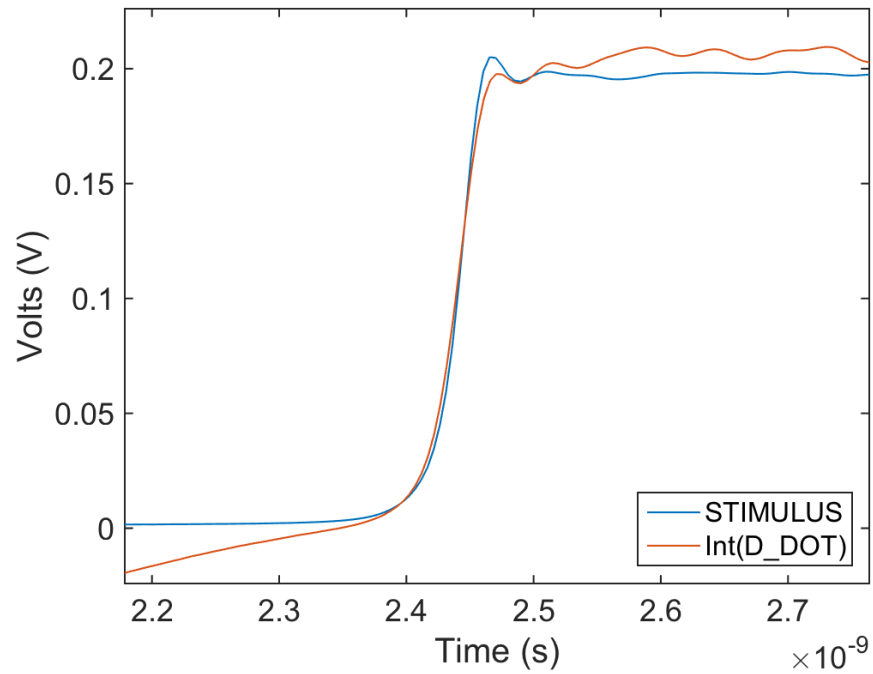
The 4177 in-line high voltage picosecond divider probe is used for measuring challenging high speed waveforms. Unlike attenuators, the 4177 picks off a small part of the high voltage waveform while allowing the rest to pass through undistorted.

### Applications

- Monitoring high power UWB radar
- Impulse Radiating Antenna testing
- Impulse radar
- Characterizing high voltage pulse generators
- Monitoring Pockels cells
- Gated image intensifiers
- Streak cameras



**Figure 2:** Output of high voltage pulse generator measured with terminating attenuator (blue) and 4177 in-line probe (red)



**Figure 2:** Comparison of 40 ps step stimulus (blue) and waveform computed from 4177 output (red). Accuracy limited by low signal amplitude.