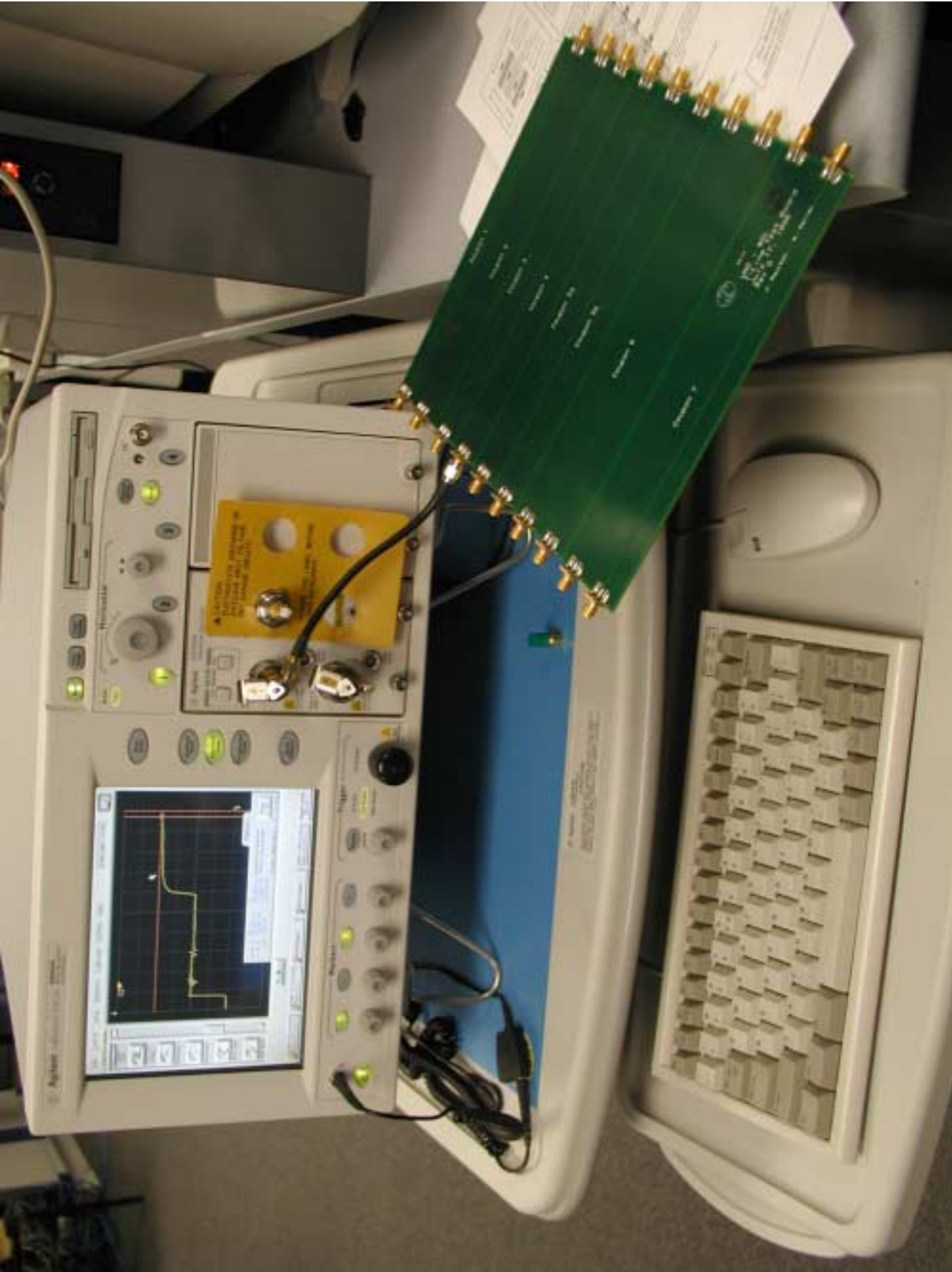


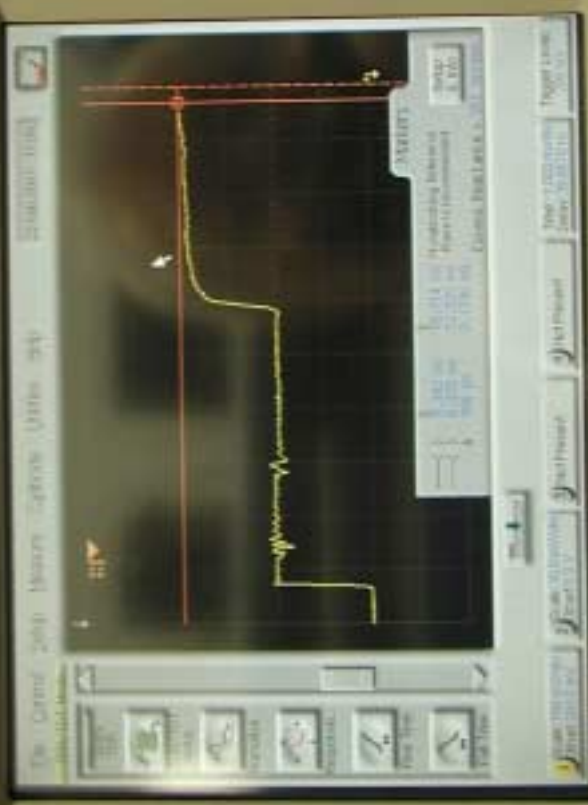
# TDR PC Board Tests

February 2001

Fred U. Rosenberger



Agilent Infinium DCA

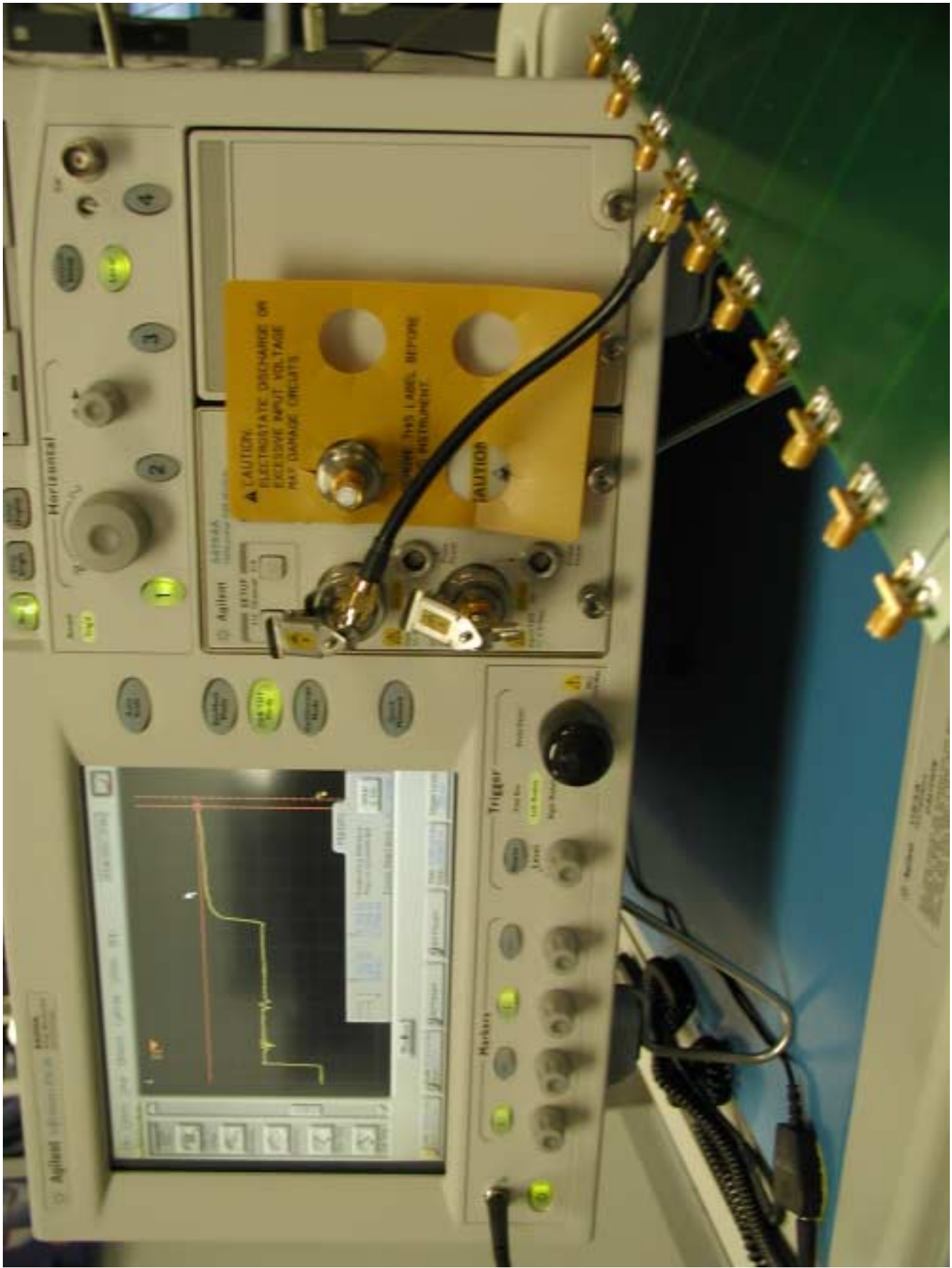


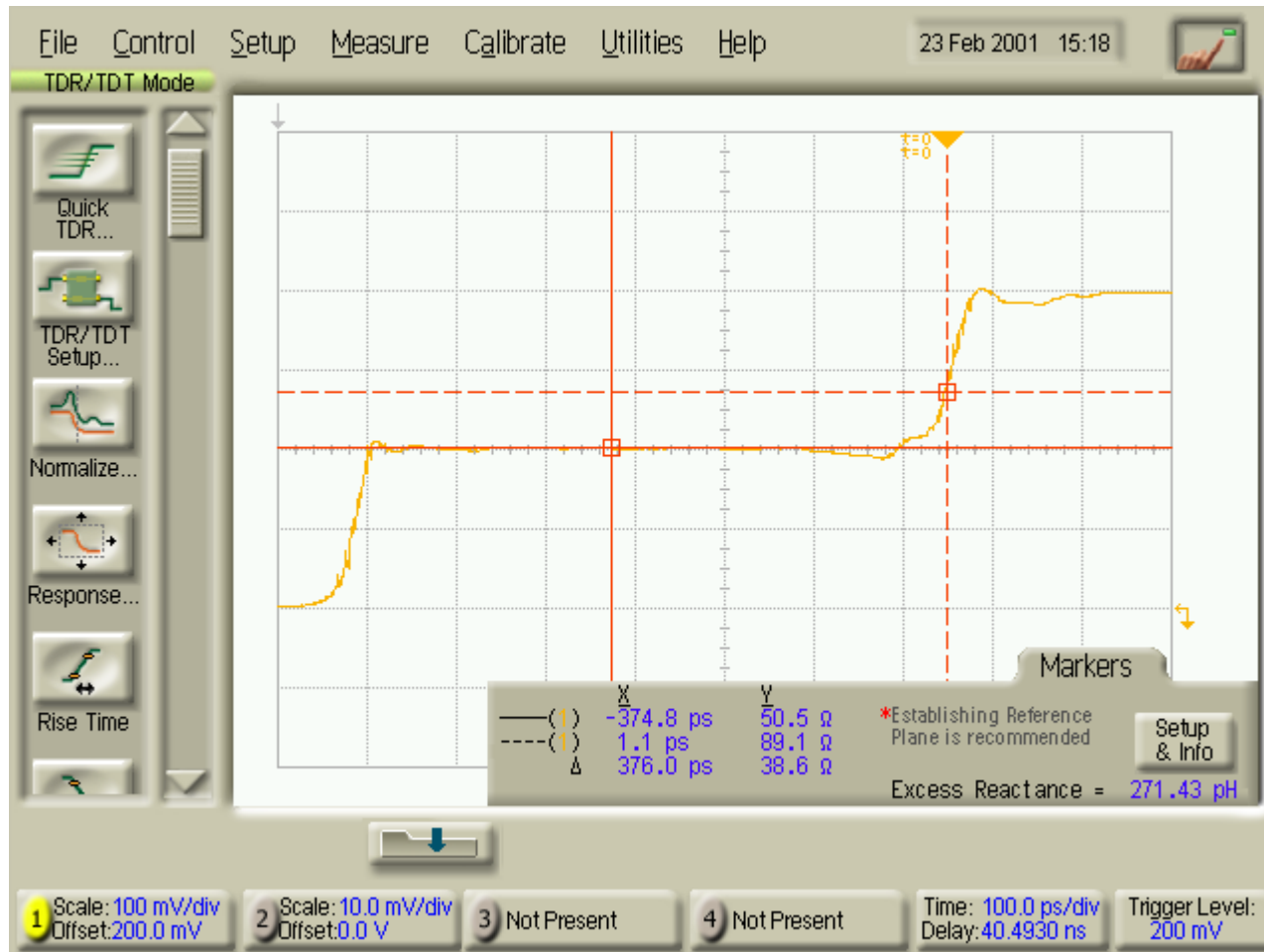
Auto Scale  
Fetch Wave  
Format Wave  
Configure Probe  
Quick Properties

Markers  
Trigger  
Level  
Fast Setup  
Last Marker  
Edge Mode

Horizontal  
1  
2  
3  
4

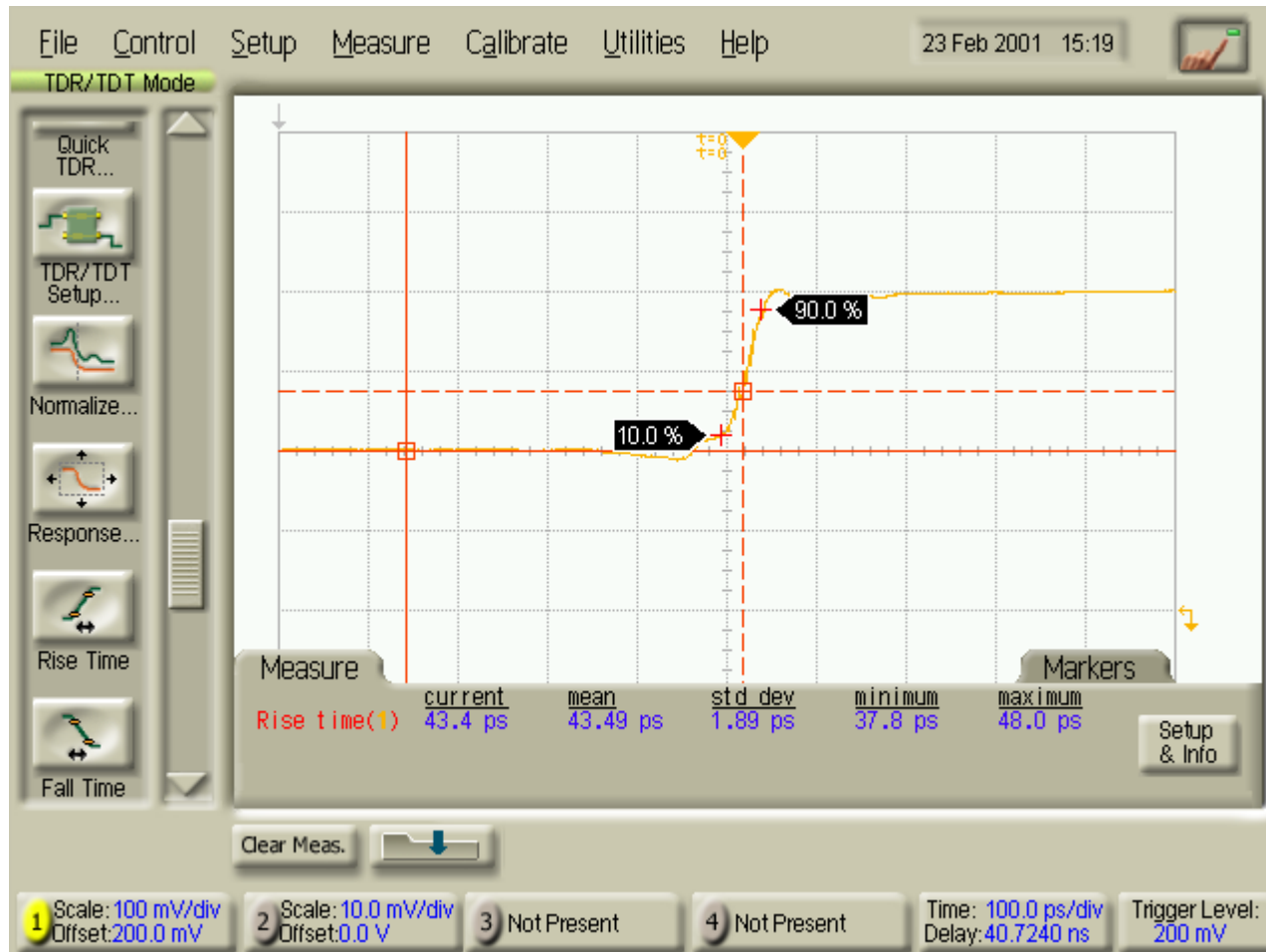
Agilent 54214A  
500 MHz 1 GS/s Oscilloscope  
CAUTION  
ELECTROSTATIC DISCHARGE OR EXCESSIVE INPUT VOLTAGE MAY DAMAGE CIRCUITS  
REPLACE LABEL BEFORE LOCKING PROBE  
CAUTION



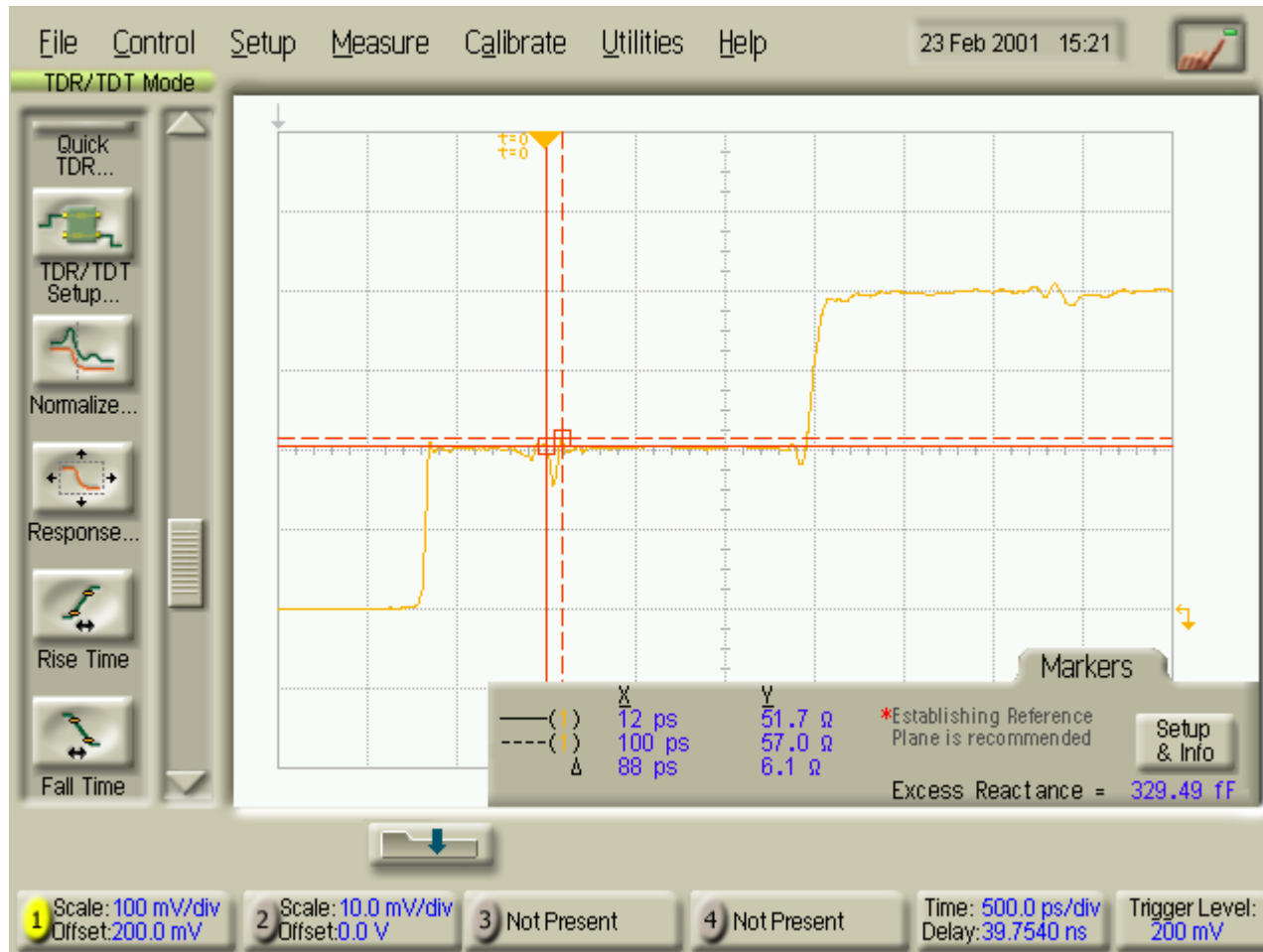


Open circuit at TDR system connector

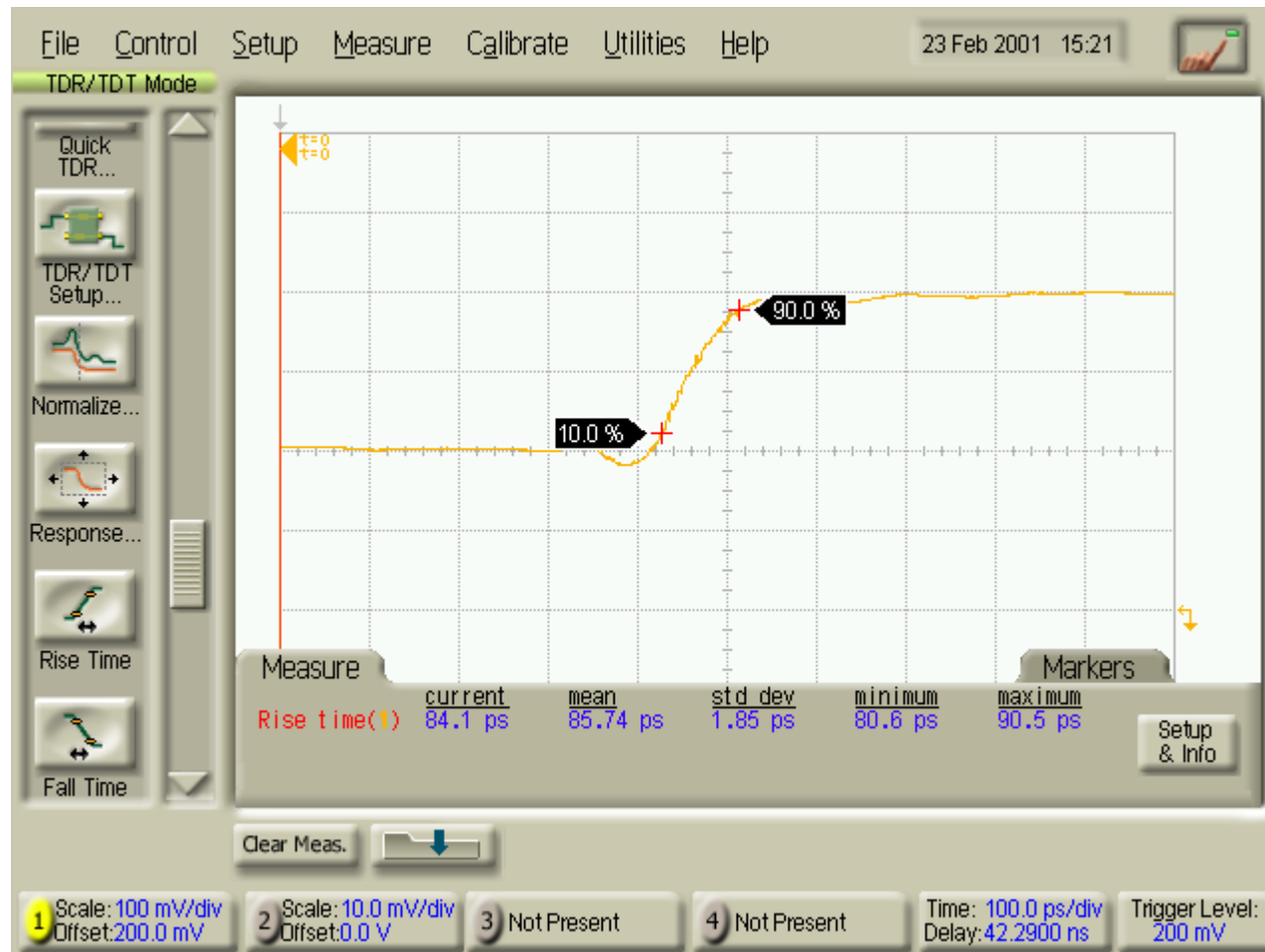
# Rise time at TDR output (nothing connected)



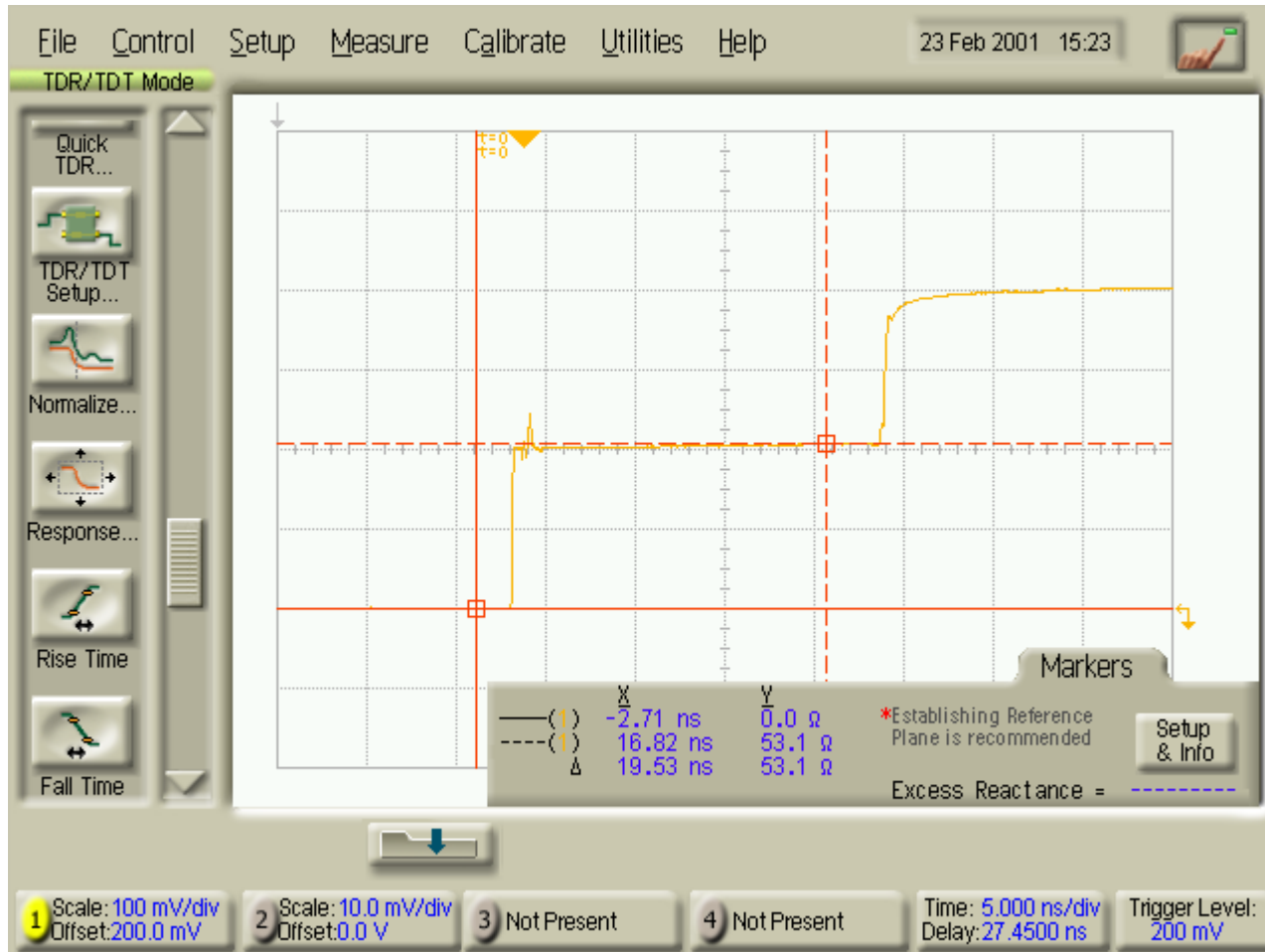
# 6" moderate size coax



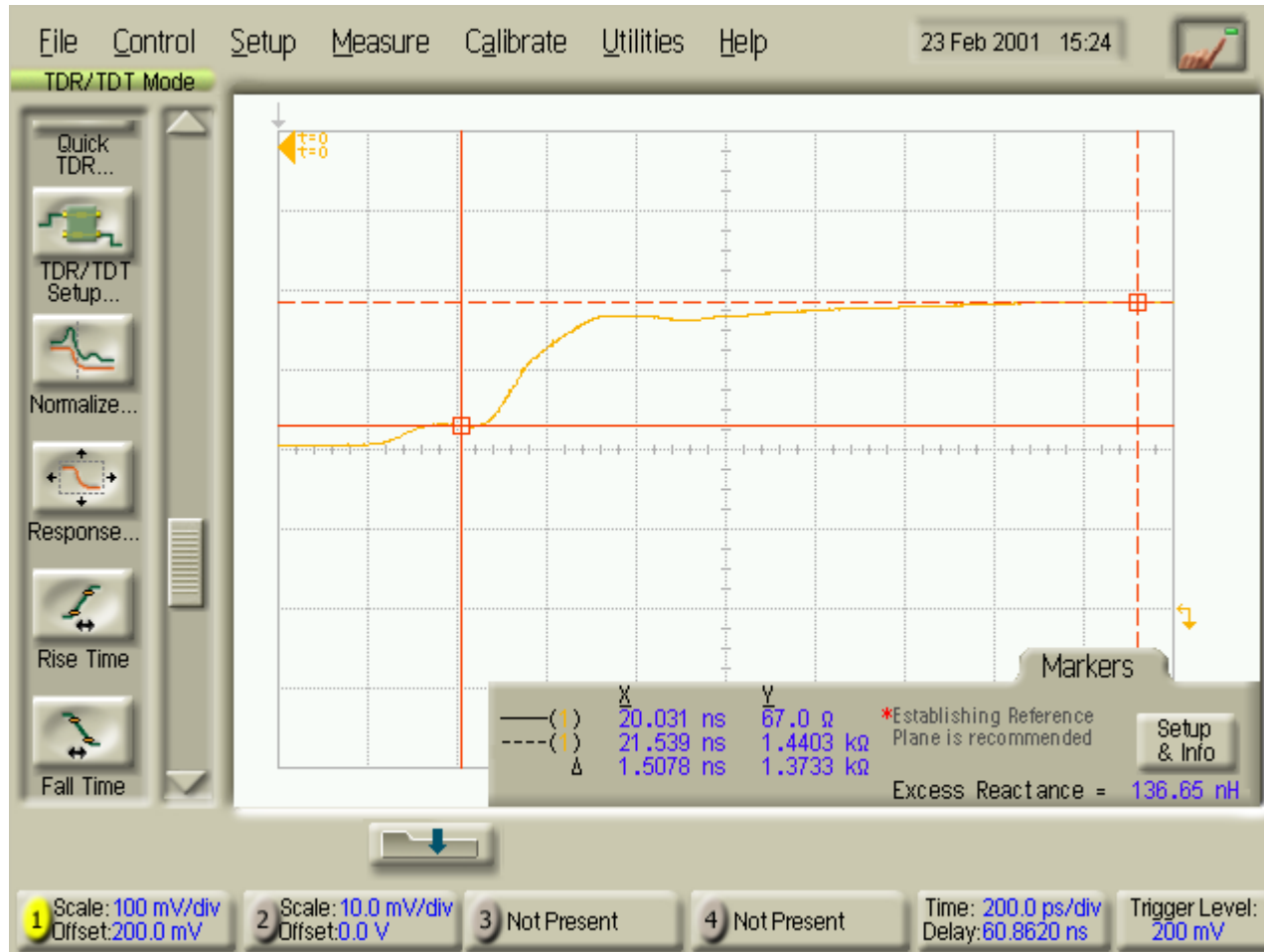
# Rise time with 6" coax



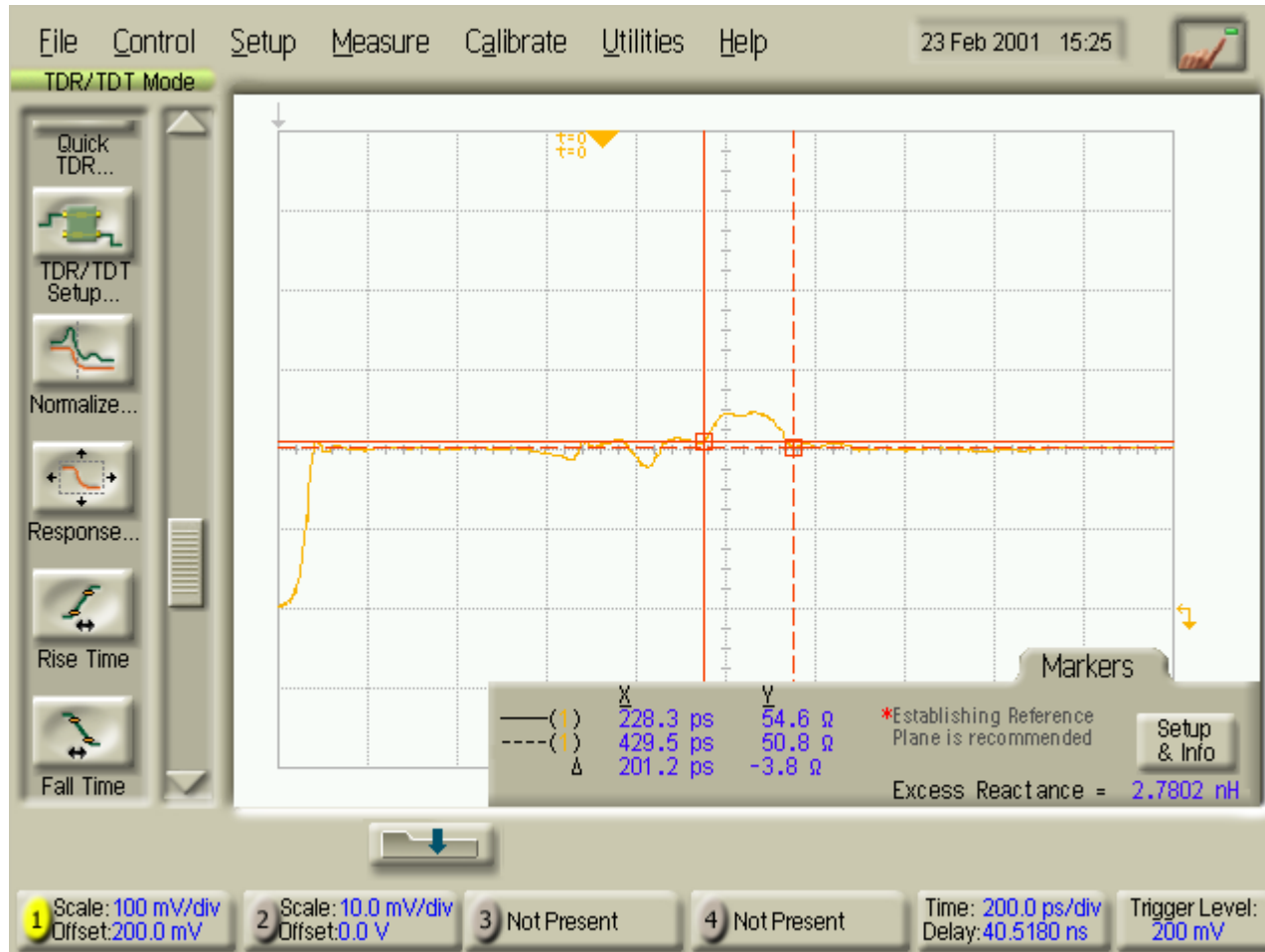
# 6 foot coax, note rise time degradation



# Far end 6 ft coax, note rt degradation



# Inductance at connector to 6 ft coax



# Capacitance at 6 ft coax input

