CMB - LED driver

A New 2CH version in focus.

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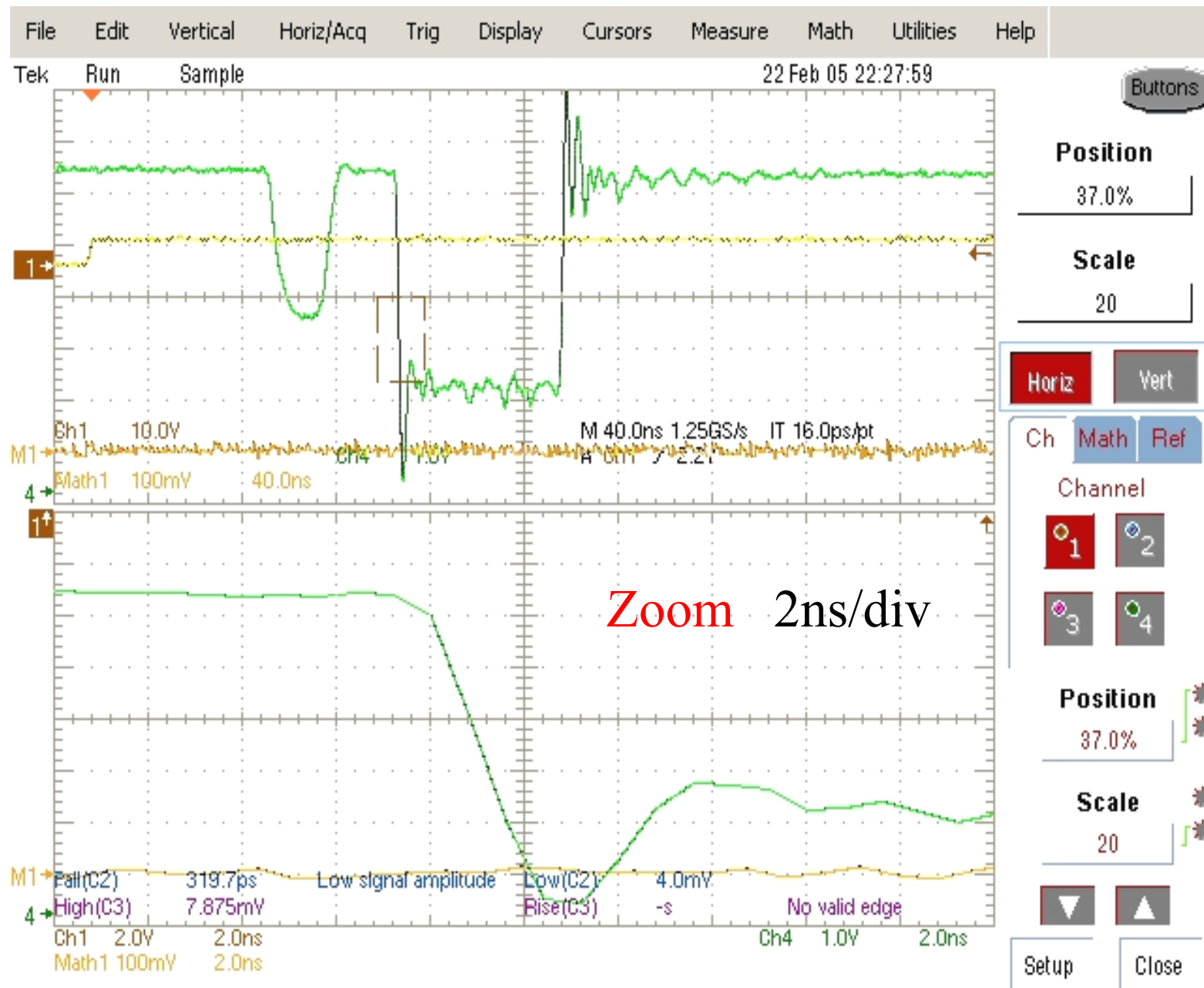
Latest version of 2CH LED driver

- Common input for signal LED-trigger, lemo, 50Ω

- One 12V (60mA)supply, protection

- Rise time 2ns, tested with P5050 scope probe (8pF, 500MHz)
C=8pF, L=30nH
fres=290MHz
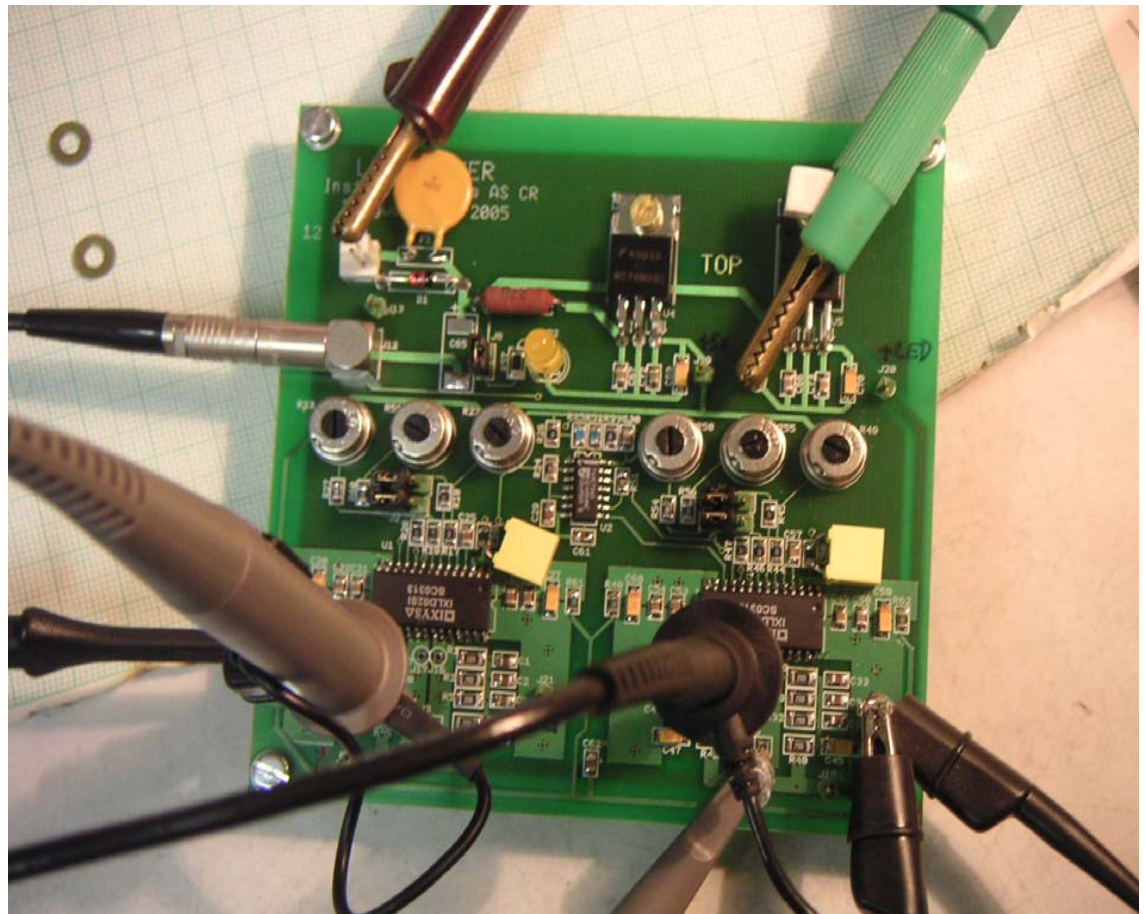
Output, one LED leg, 500MHz passive probe
this is a true RF technique :)

Task for next week

- **LED driver**

  - To optimise a range of puls width (min to 40ns)

  - Test of the current linearity (input vs. output)

- **PINphoto diode** signal chain

  - Define the preamp gain

  - Optimise the BandWidth