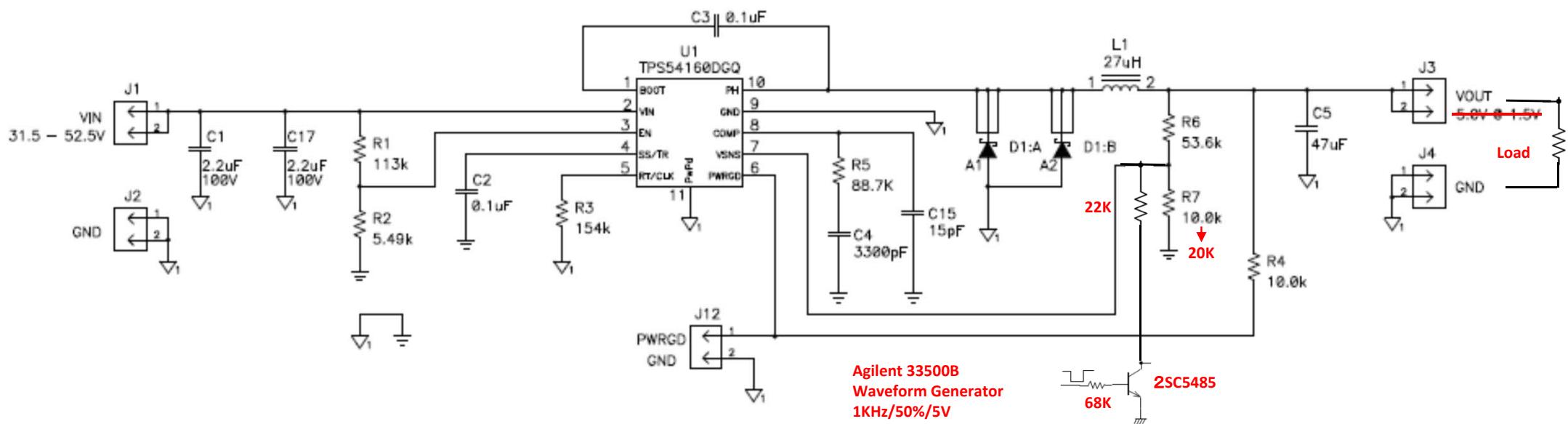


# Change in the output voltage by the FB resistance value

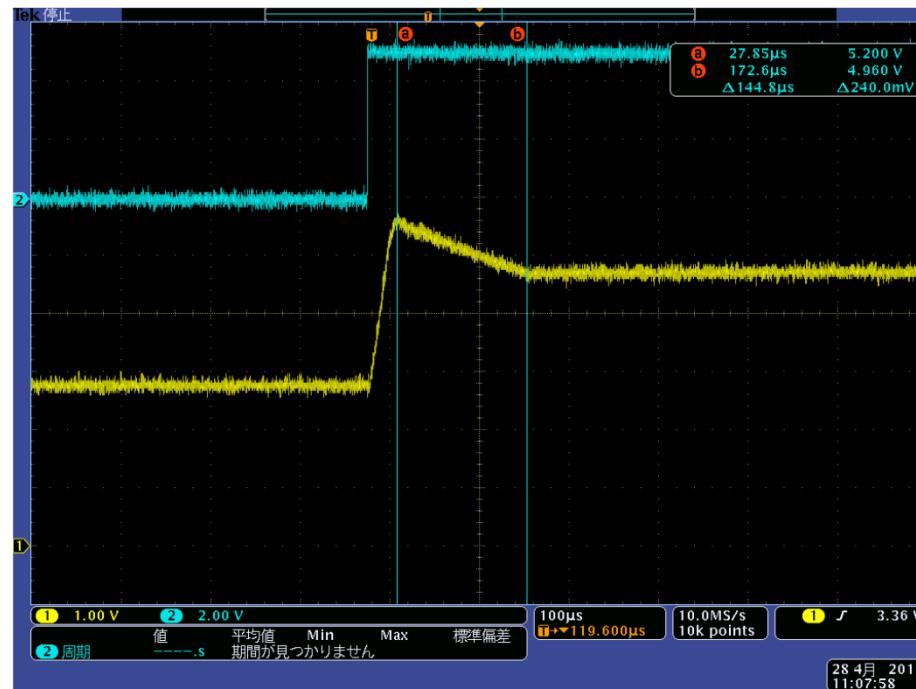
Modified from TPS54160EVM-230

- change FB resistance R7 from 10K to 20K
- add FB resistance 22K parallel with NPN-Tr
- NPN-Tr can On/Off from pulse generator
- An electronic load is connected to output



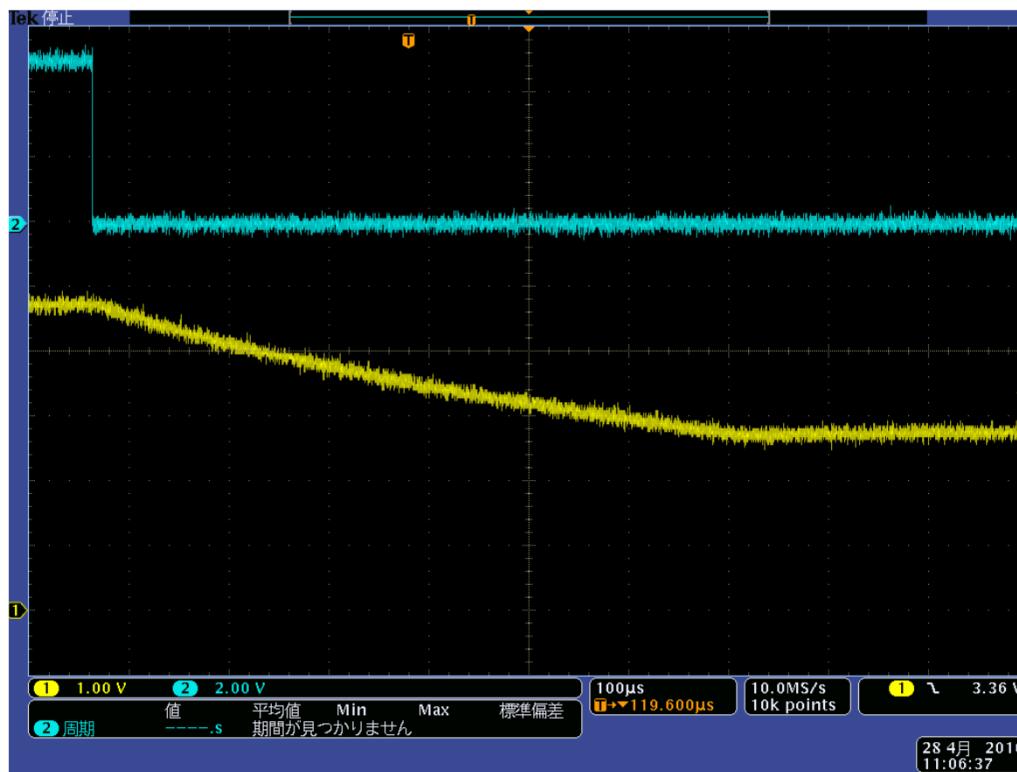
### The waveform when Tr is On

- output load is about 100mA (CR mode)
  - >overshoot
- Blue : Tr base / Yellow : output

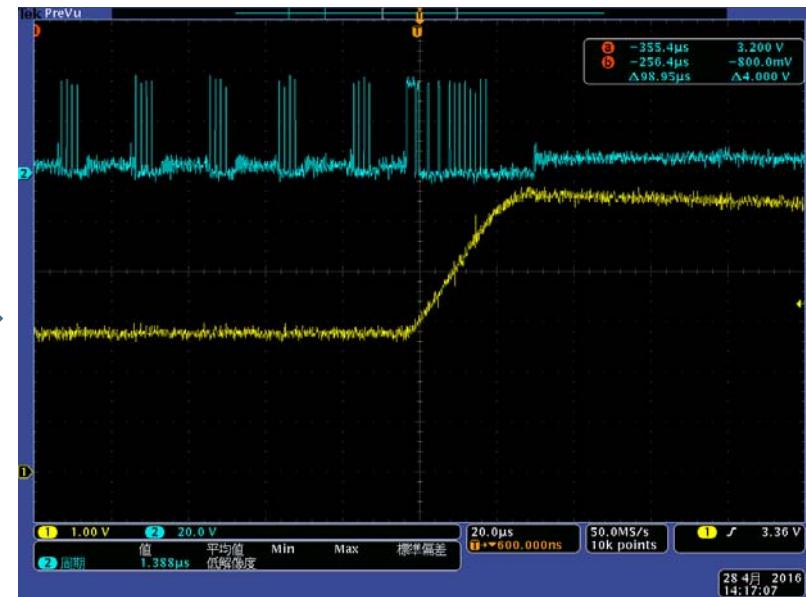
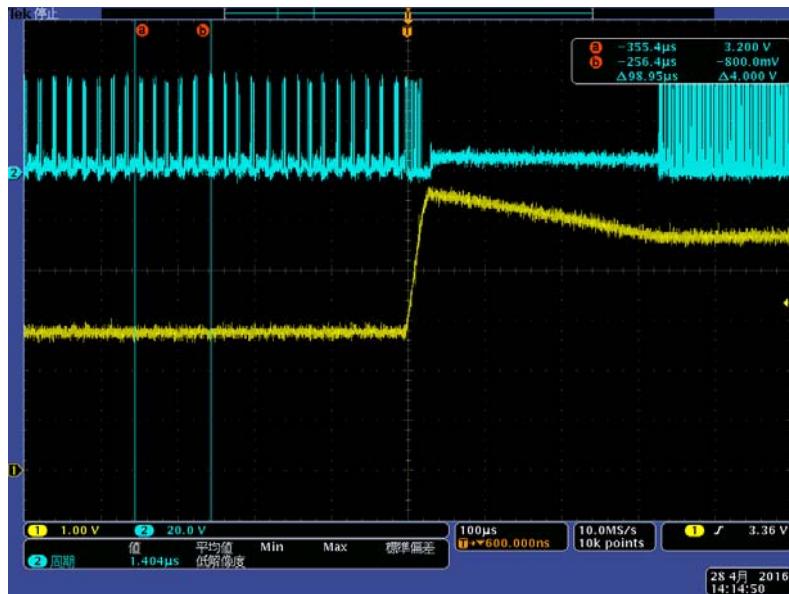


The waveform when Tr is Off

- output load is about 100mA (CR mode)
  - >Discharge
- Blue : Tr base / Yellow : output



Question  
**Why is this overshoot?  
Can I evade this problem?**



Blue : Switch node