



## **DEBUG LM5069**

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Date : 26-10-2021  
N° affaire : 1037

### Révisions

| Numéro révision | Auteur        | Date       |
|-----------------|---------------|------------|
| V0.0            | Pierre CARRIE | 26-10-2021 |

## Summary

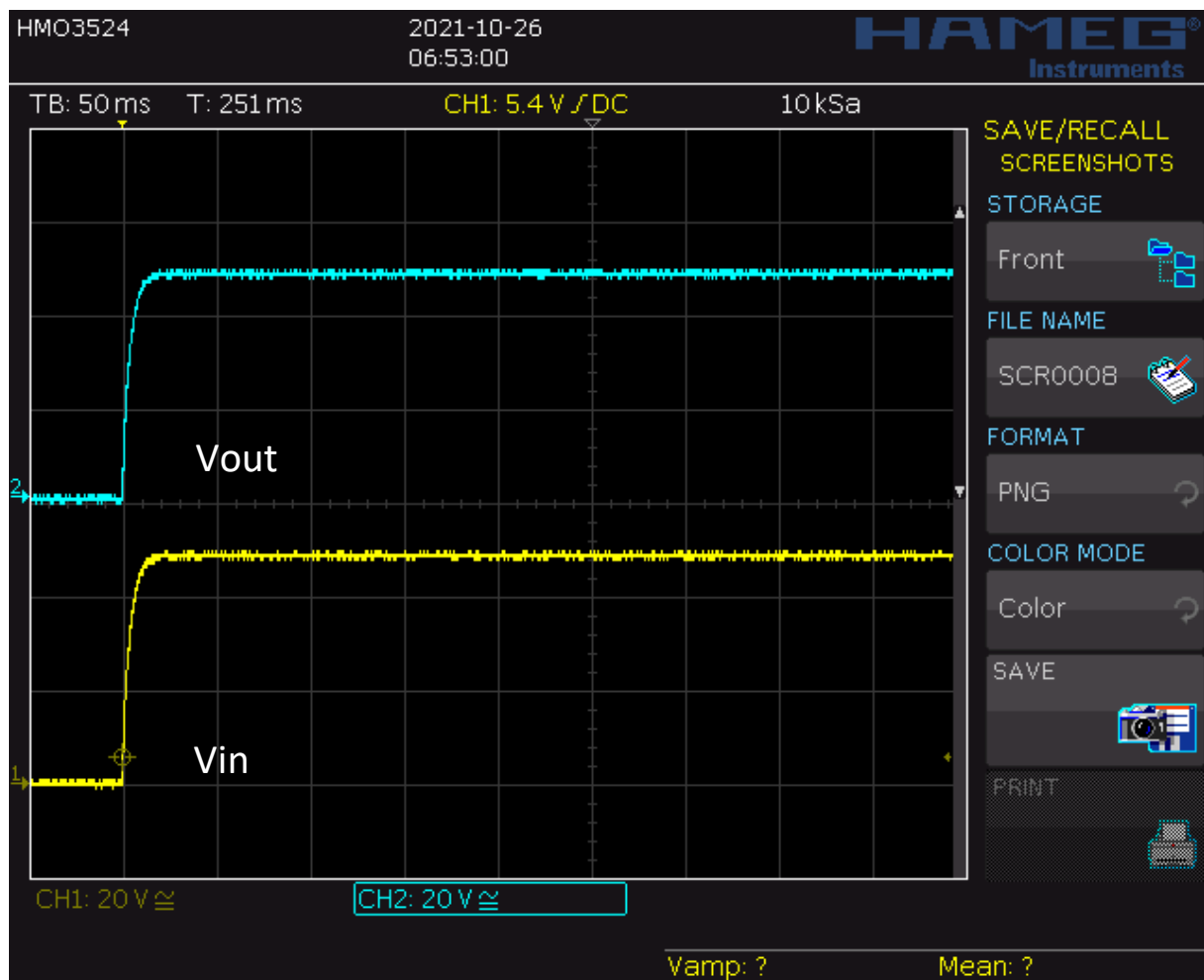
|                                  |   |
|----------------------------------|---|
| For $V_{in} = 48\text{ V}$ ..... | 2 |
| Startup without load .....       | 2 |
| Startup with load .....          | 4 |
| For $V_{in} = 24\text{ V}$ ..... | 6 |
| Startup without load .....       | 6 |
| Startup with load .....          | 8 |

All the measure are made with CTimer = 100 nF.

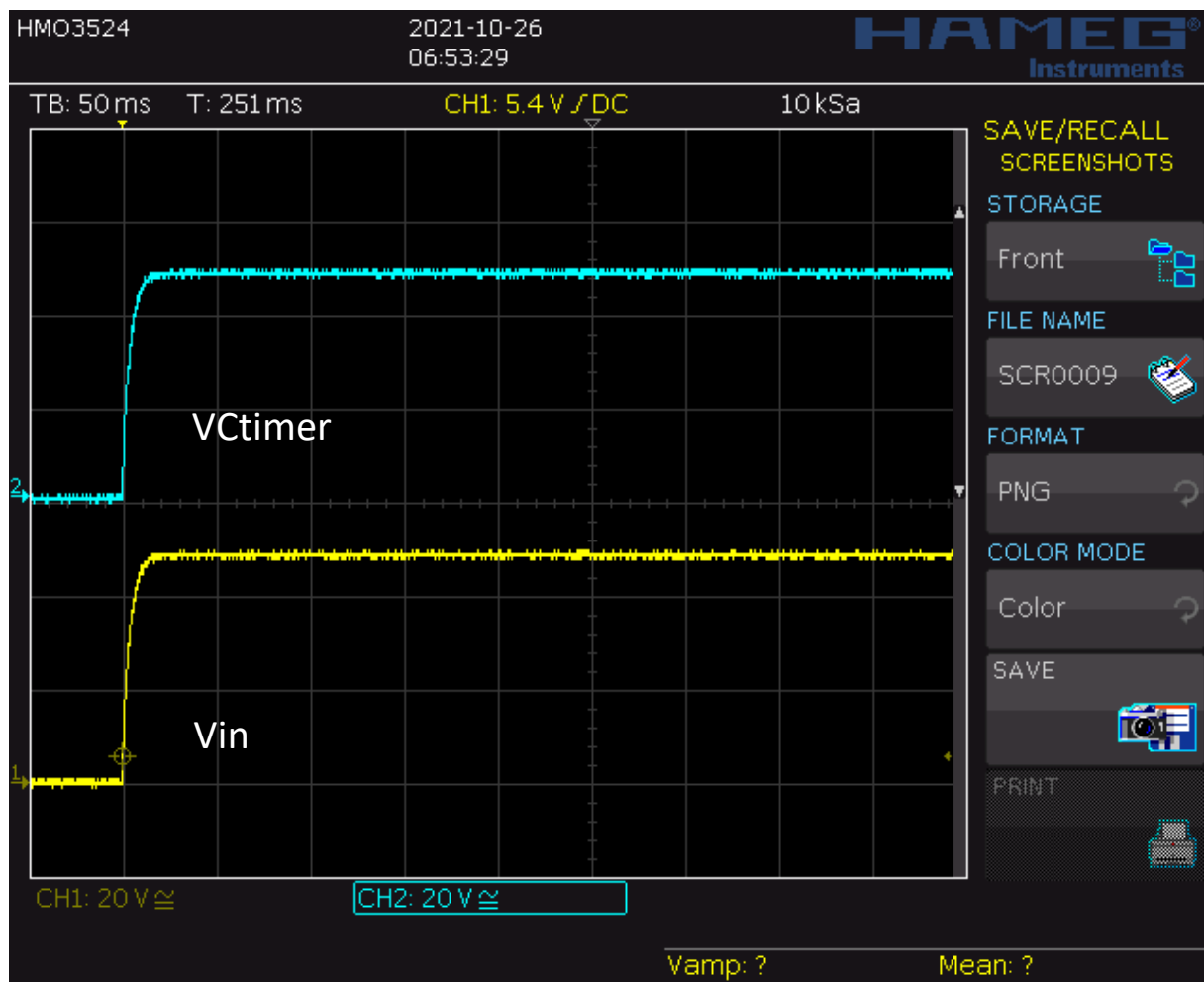
**For  $V_{in} = 48\text{ V}$**

**Startup without load**

Vout\_Vin waveforms :



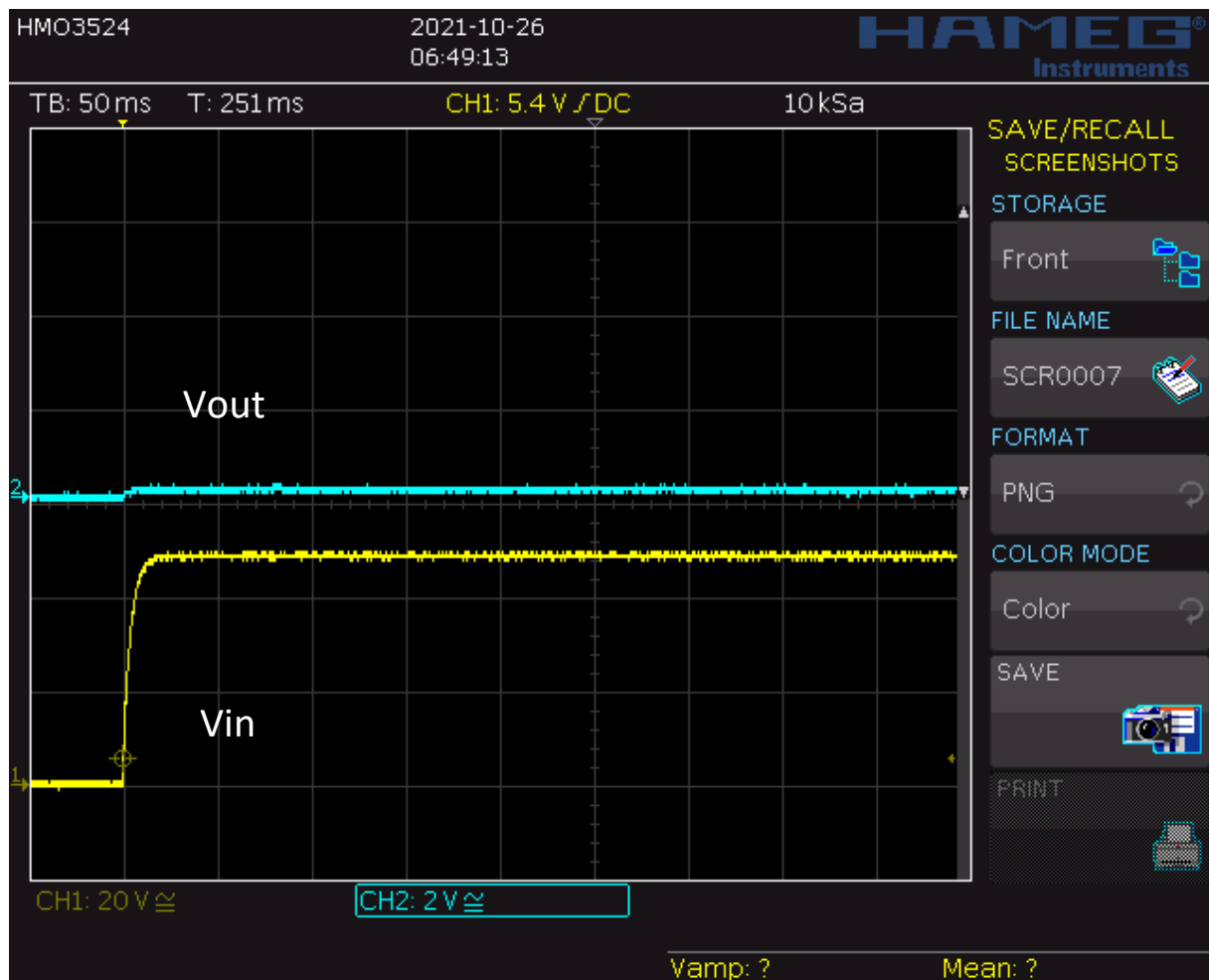
Vin\_VCtimer waveforms :



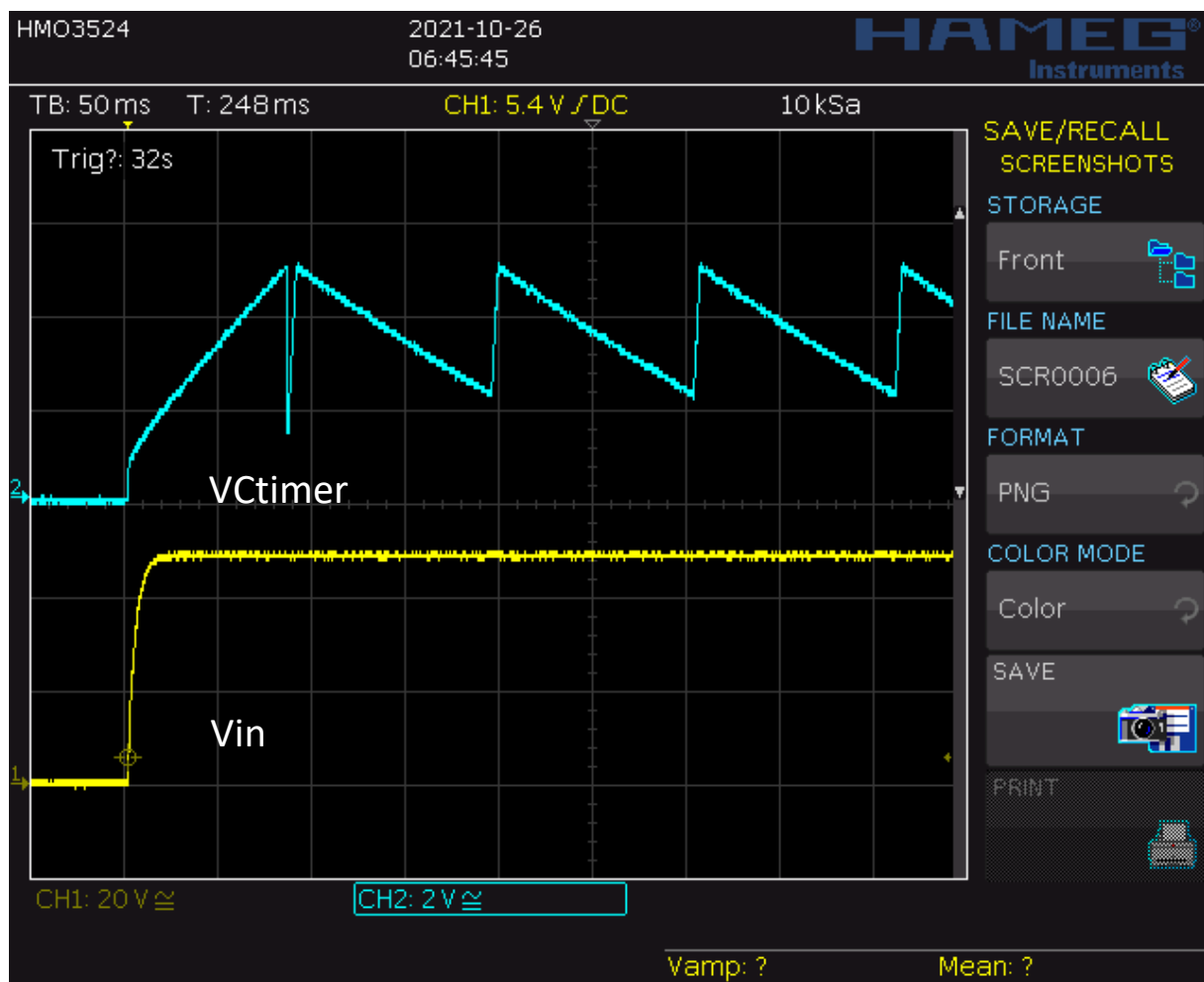
## Startup with load

For the following waveforms, I used a pure resistive load from 3 W to 30 W . The waveforms are the same.

Vout\_Vin waveforms :



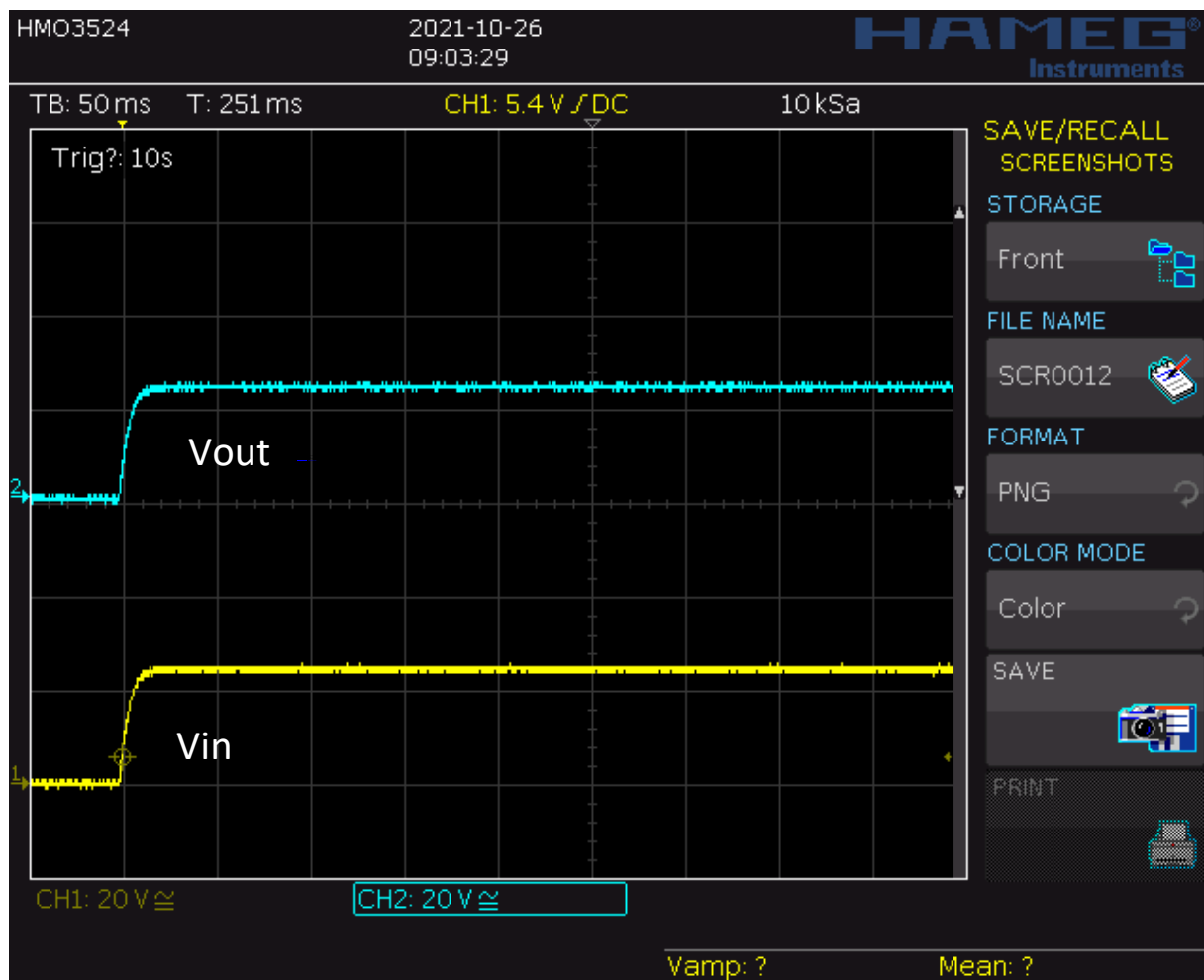
Vin\_VCtimer waveforms :



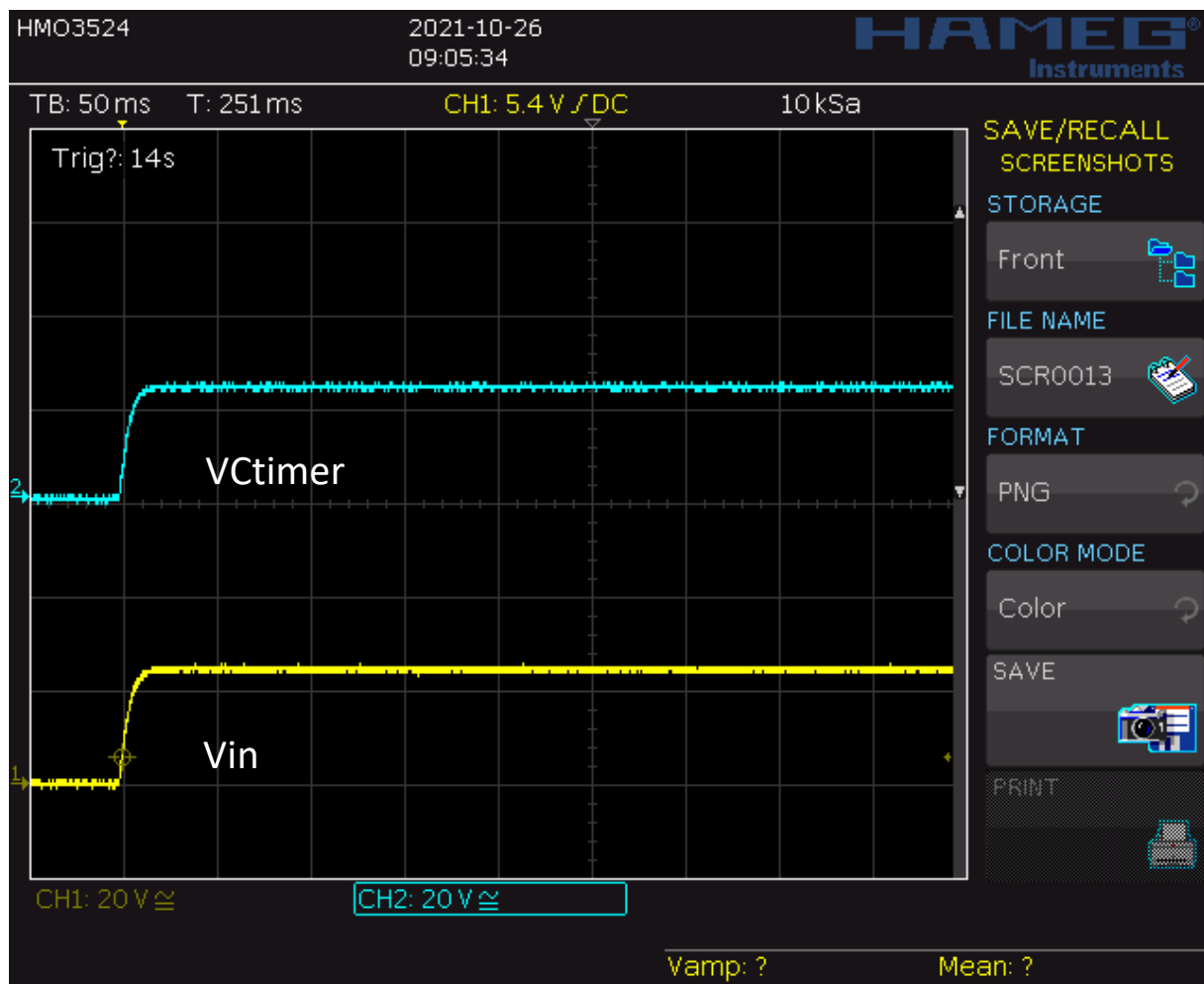
For  $V_{in} = 24\text{ V}$

Startup without load

$V_{out}$ \_ $V_{in}$  waveforms :



Vin\_VCtimer waveforms :

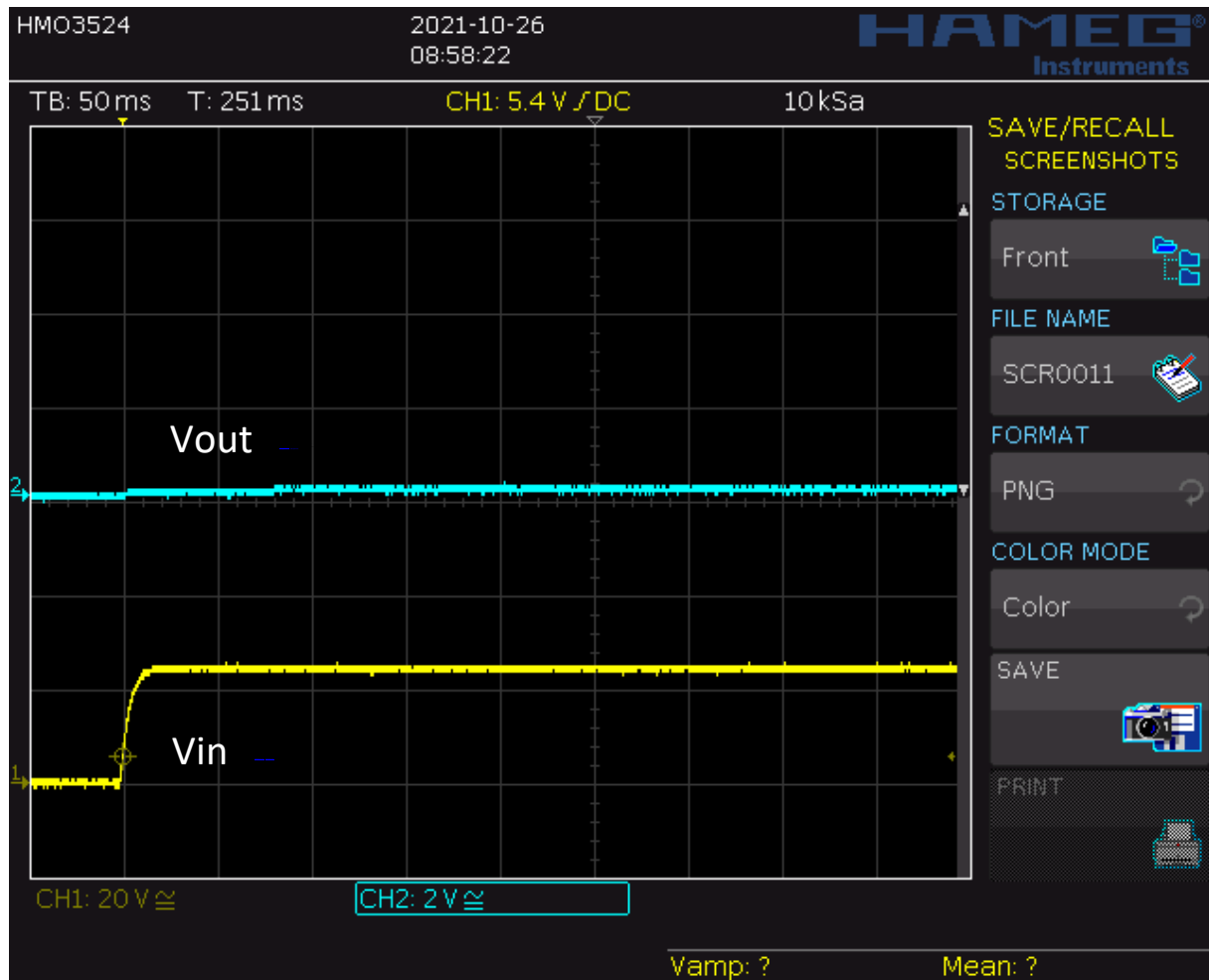




## Startup with load

For the following waveforms, I used a pure resistive load of 15 W and 30 W. The waveforms are the same.

Vout\_Vin waveforms :



Vin\_VCtimer waveforms :

