DRV8332 anormal consumption on 12V
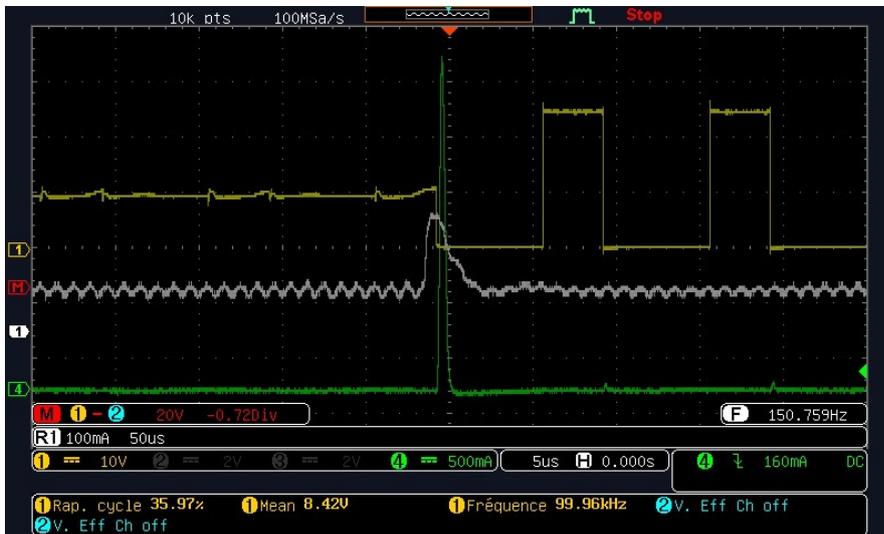
Control for BLDC motor

See also CS3048192.

Figure 1 : current in PVDD_x pins

In green, current in PVDD_x

On PVDD_X pins, see Figure 1 : the current peak is produced by the charge of the bootstrap capacitor. So **OK**.

On VDD pin, during the freewheeling of the low side diode, an important current appears and is proportionnal to the motor load, see figure 2. This peak can reach up to 1A. **NOK**
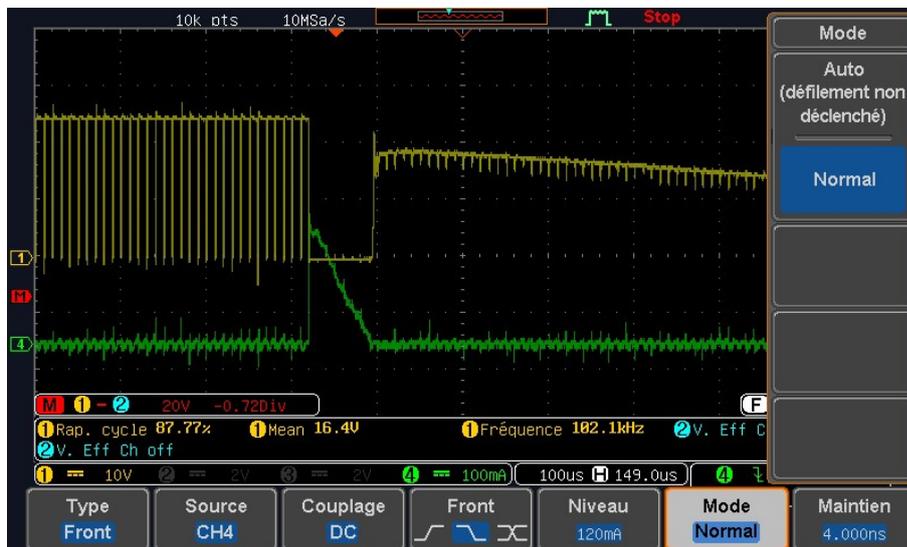

Figure 2 : current in VDD pin

In green, current in VDD

How to solve this problem ?