

# TPS610995 Overvoltage Problem

## 1 Description

Figure 1 shows the power supply schematic. IC300 – TPS610995 – is supplied by a battery voltage of 3.4V. The expected output voltage is 3.6V as it has been measured in Figure 2.

When measurement for Figure 2 has been done, the device has been powered down for a longer time. Output voltage of TP610995 has sunk to 0V.

In Figure 3 the input voltage has been switched of for a short time (~500ms), and then input voltage has been switched on again.

In Figure 3 it can be seen, that output voltage of TP610995 rises up to 5.6V and stays there.

**What is the reason for that misbehavior.**

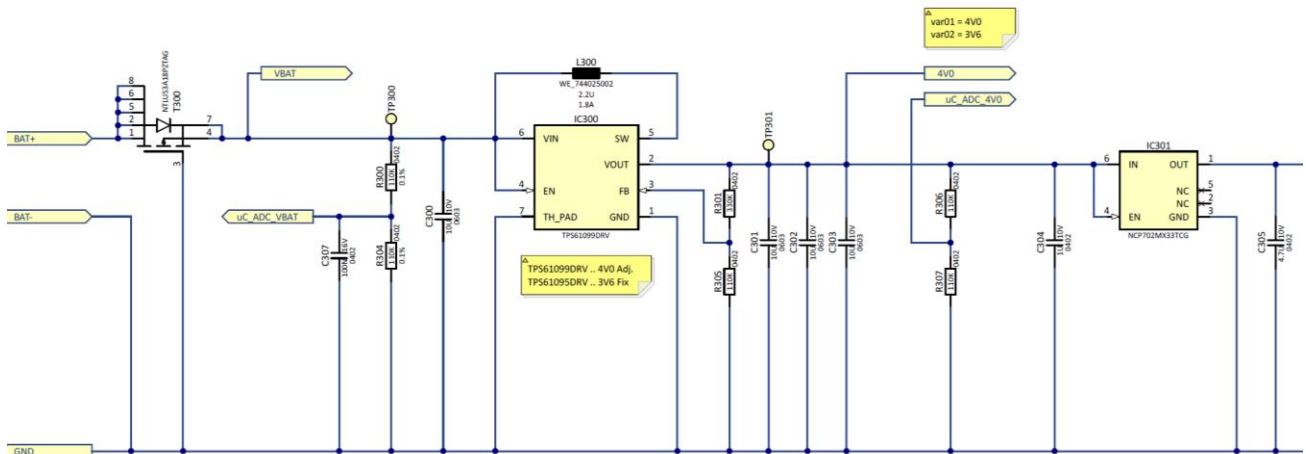


Figure 1 - Schematic

Ch1: VOUT (TP301) of TPS610995 - Yellow

Ch2: VIN (TP300) of TPS610995 – Cyan

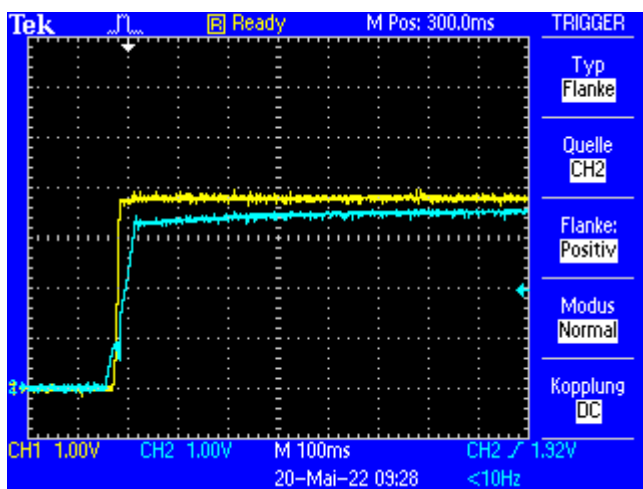


Figure 2 – PowerUp – OK

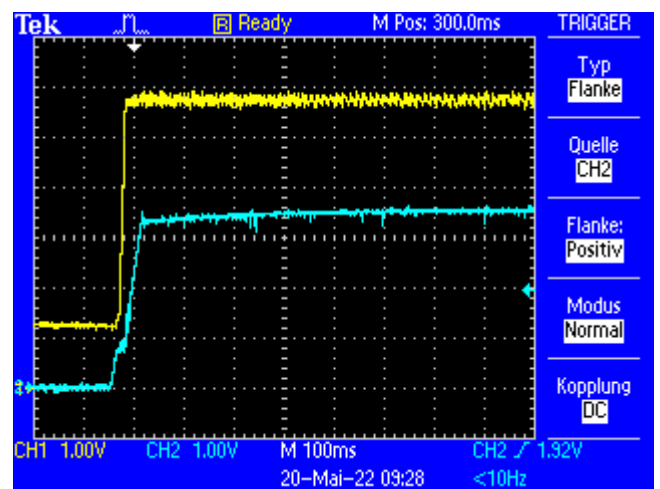


Figure 3 – PowerUp – NO