

The following snapshot with the Oscilloscope shows the variations of the Vout as the I_load is switched from 0.5A to 2.5A (that is, within the range of the IC). Vout falls from 24.9V to 23V.

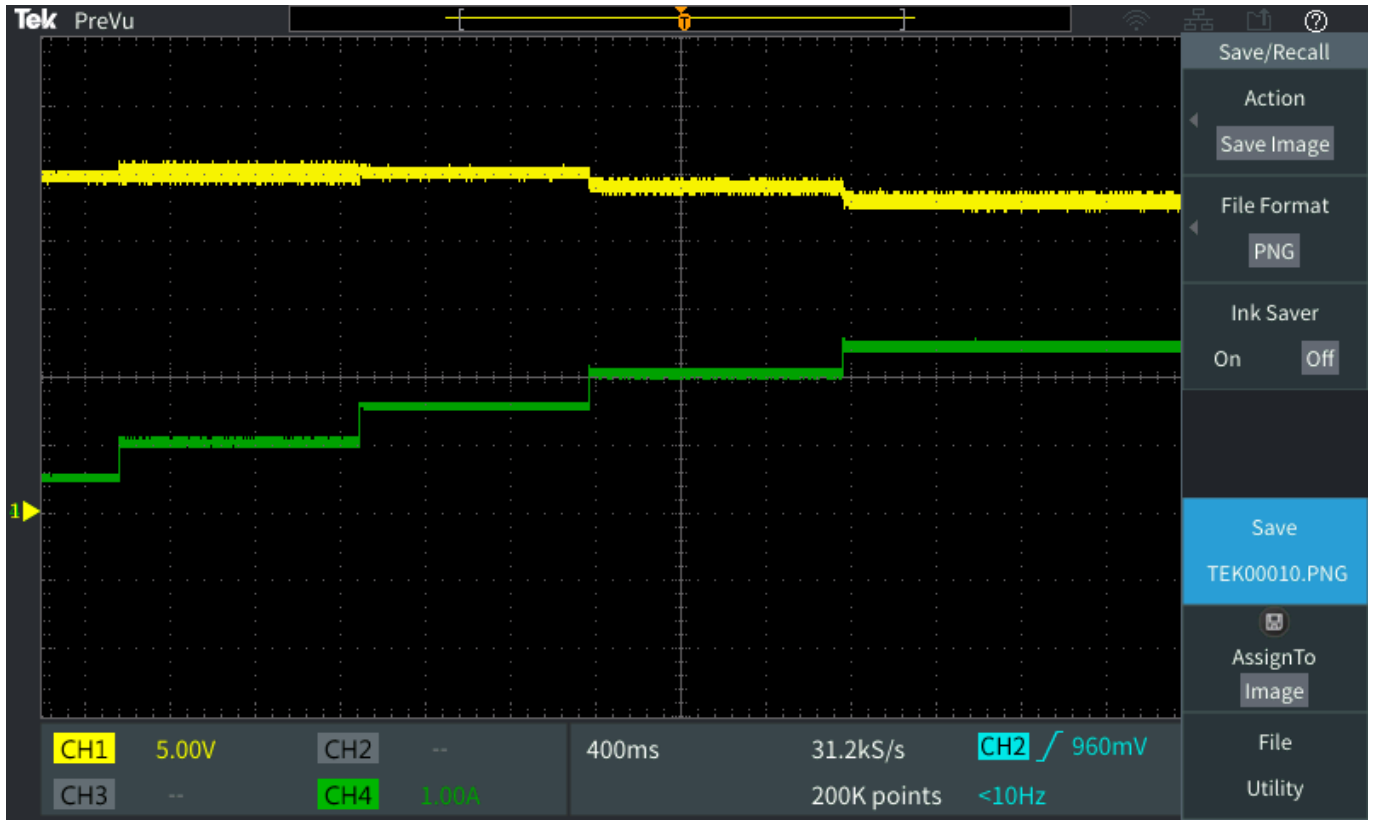
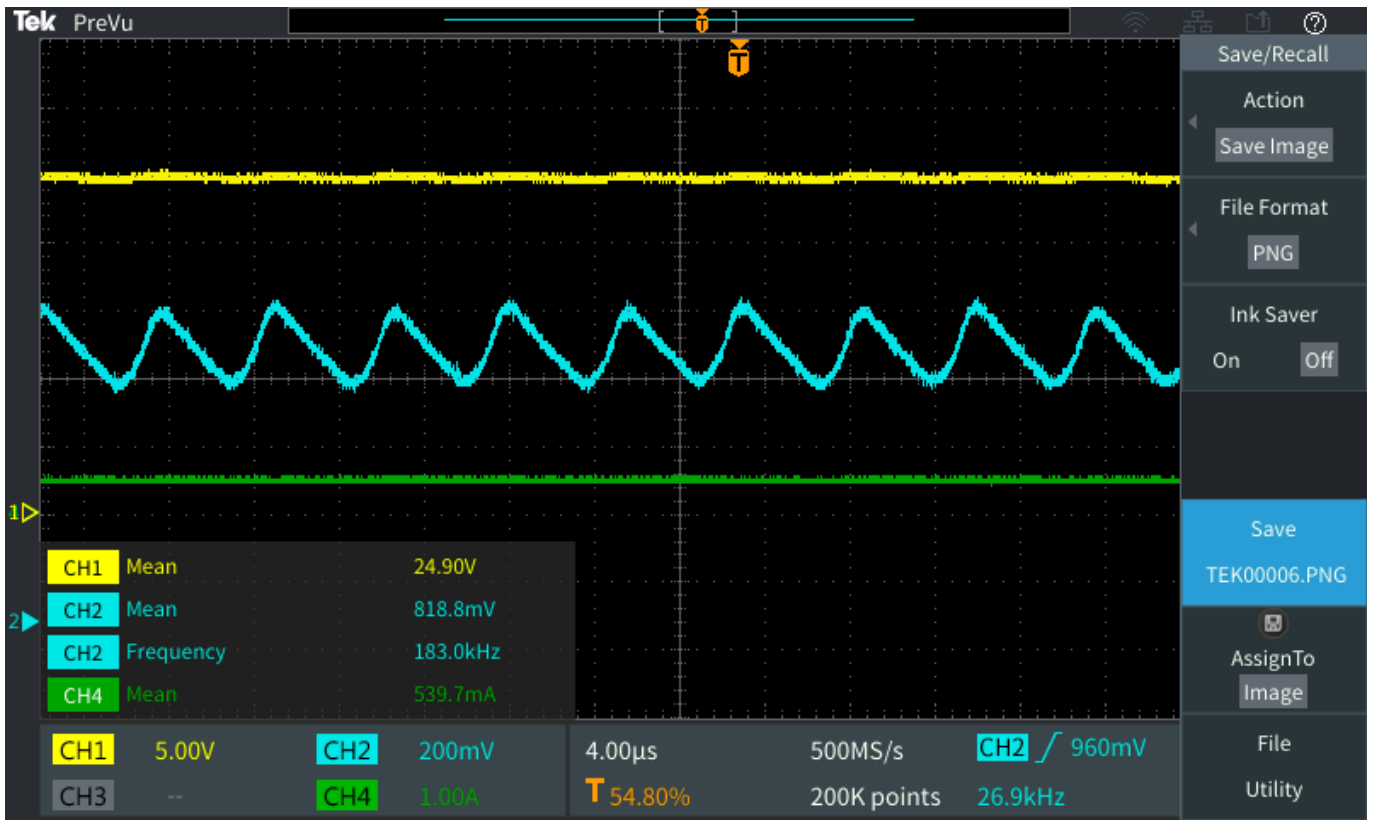


Fig.1:
yellow: Vout
green: Iout

The following 4 snapshots show in detail V_out (yellow trace), V_fb (blue trace) and I_out (green trace) related to the I_out steps. Could V_fb be taken as normal? The rms value is 0.8Vrms, except the last picture (0.75Vrms), but the signal shows a huge distortion and, especially in the second picture, instability.



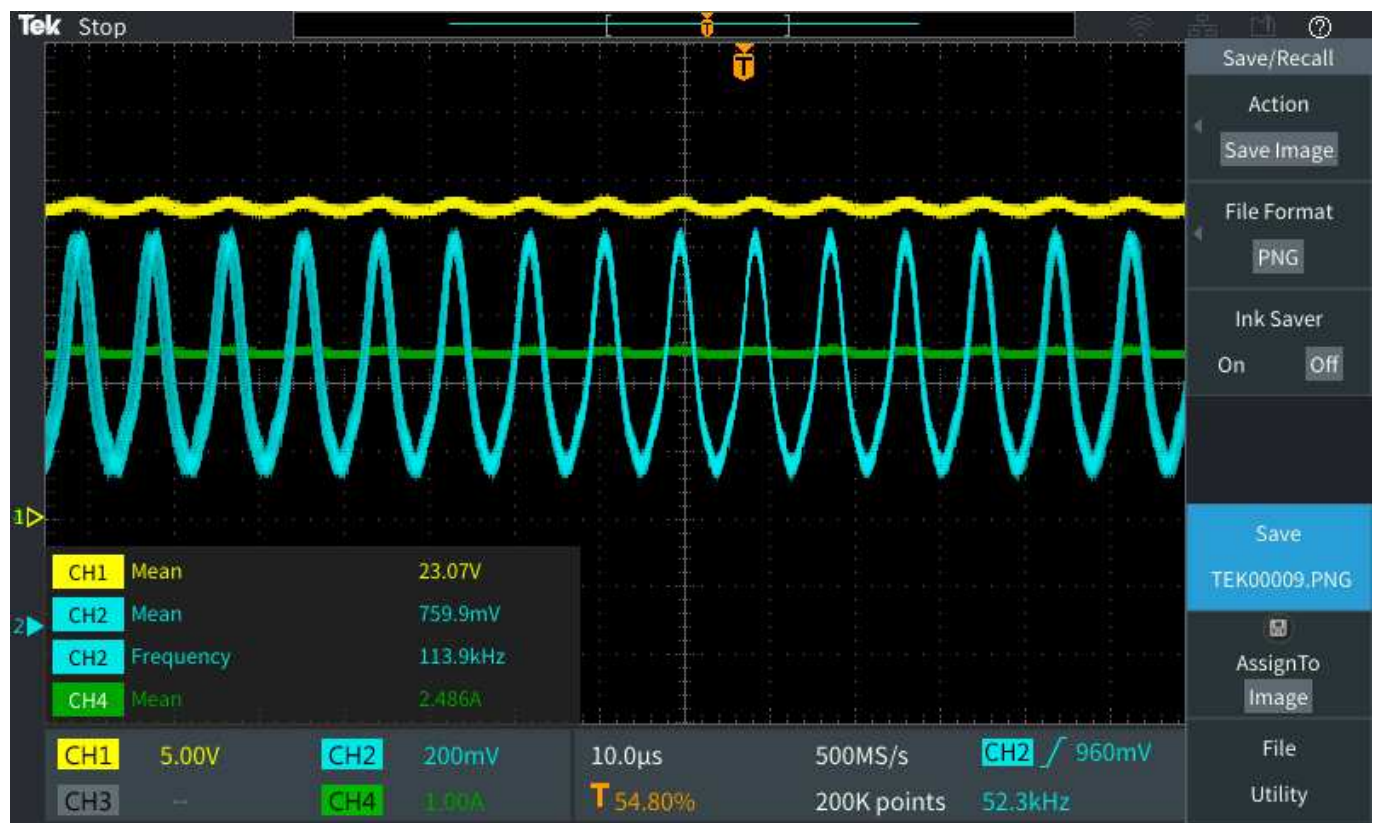
$I_{out} = 0,5A$



$I_{out} = 1A$



$I_{out} = 2A$



$I_{out} = 2.5A$