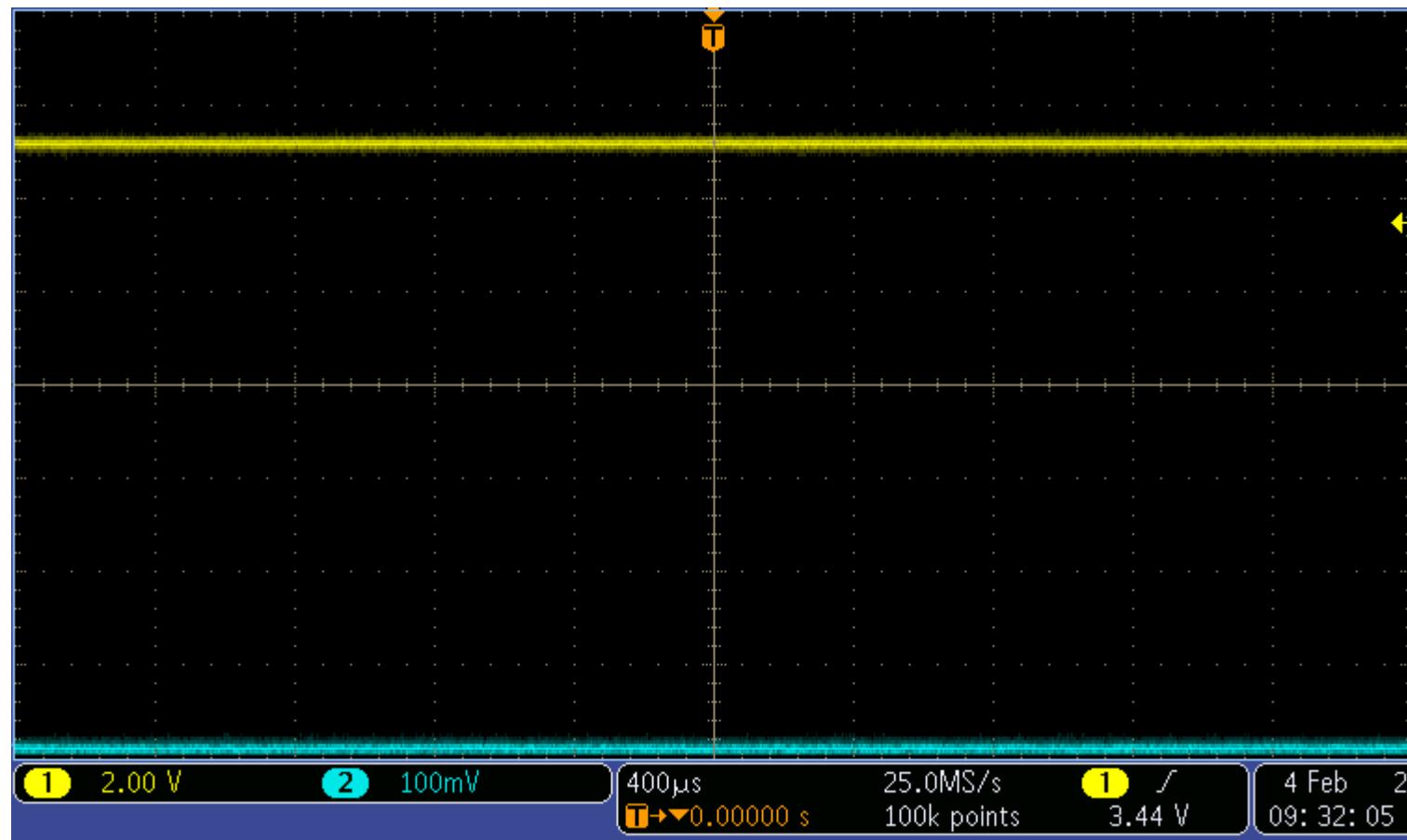
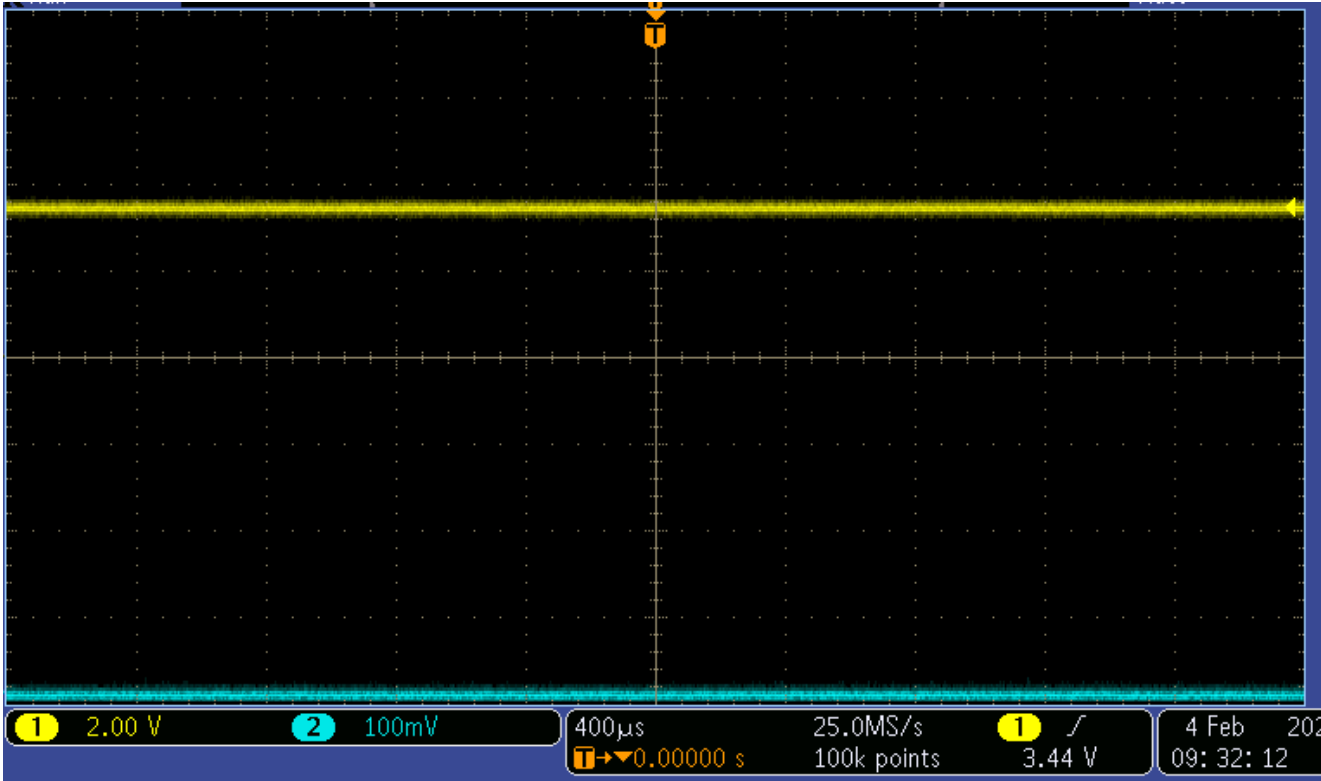


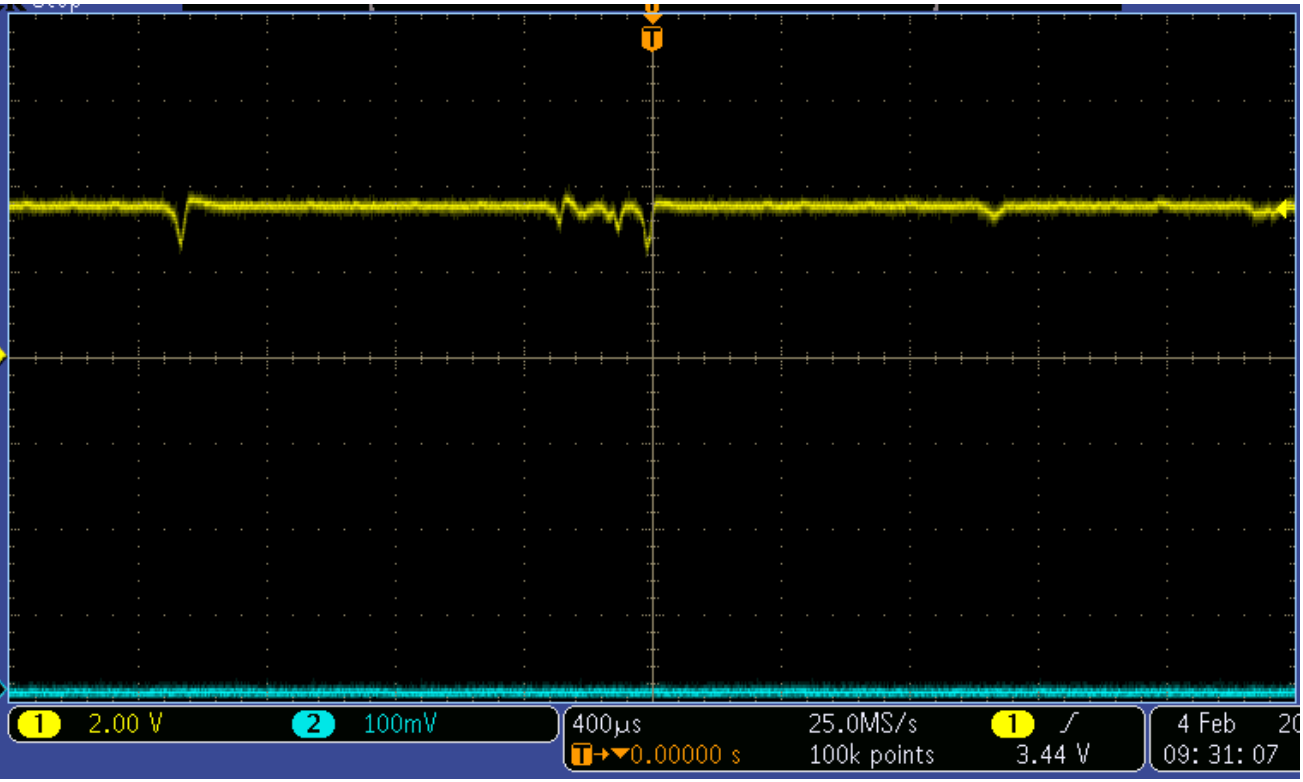
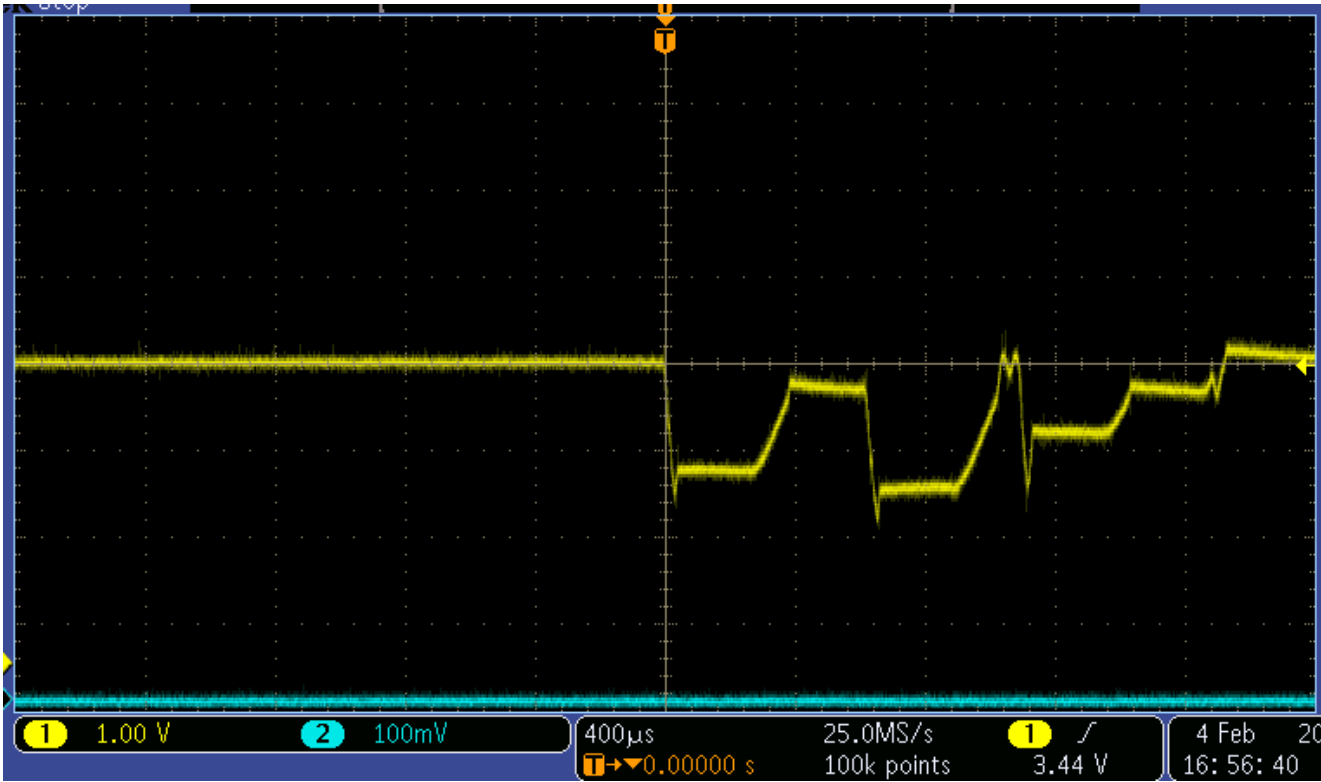
V in 5VDC



V-03 3V3 out > only CPU load, display not active



V-03 3V3 out >, display_active



- I did already send you the video file.
- ripple / power drop on 3V3
 - this causes the processor “ to get stuck” in routine software

Without adjustment the 22pF in the output 3V3 will be defective
By soldering an Elco of approx. 820uF on the 5V, the 22pF remains intact.

When I check in this situation I see;

- a stable 5VDC (also without an extra Elco)
- a stable 3V3 without a display
- a power drop / reaction 3V3 on which the CPU crashes
- the Cff C14 that becomes defective
- an extra buffer 820uF on the 5VDC, which prevents the C14 from failing

The power drops remain present, but do not solve the problem for the CPU

- the display does not cause any visible interference on the 5VDC, the scope line remains flat 5VDC
- an extra capacitor / Elco on the out 3V3 does not work, the charging current makes the TPS defective.

The display draws a manageable current on the 5VDC ...

Electronic Characteristics					
	Test Conditions	Min	Typical	Max	Unit
Operating Voltage		4.65	5	6.5	V
Operating Current	VCC=+5V, Brightness is 100%	–	220	–	mA
	SLEEP Mode	–	170	–	mA
Power supply recommend: 5V, 1.0A, DC					

It seems that the TPS "hiccups", I do not immediately see why / what causes it

