Gelb: Harvesting Input

Grün: VDD\_STS

Blau: VDD\_LTS

Rot: VSUP @ 10 kOhm Last

Externer LTS:

LTS = 3300 uF

Interner STS:

STS = 100 uF

Allgemeine Konfiguration:

Measure Type = Open Voltage

V\_HRV\_min = 4 \* 73 mV = 292 mV

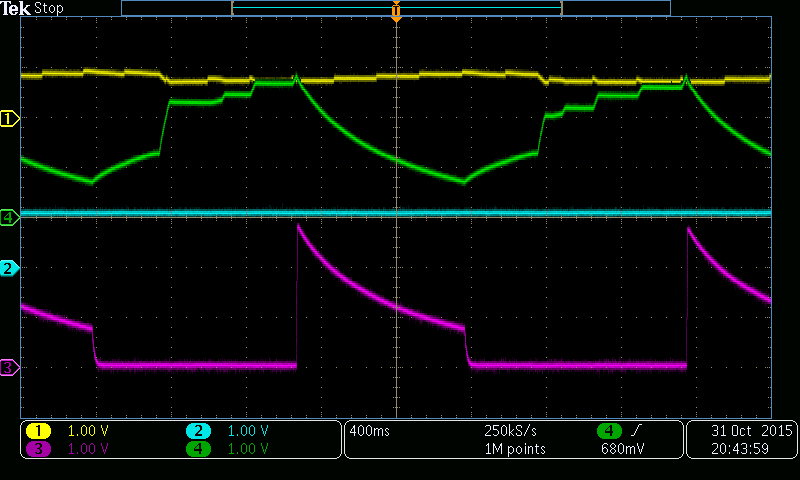
Recharable Battery = Yes

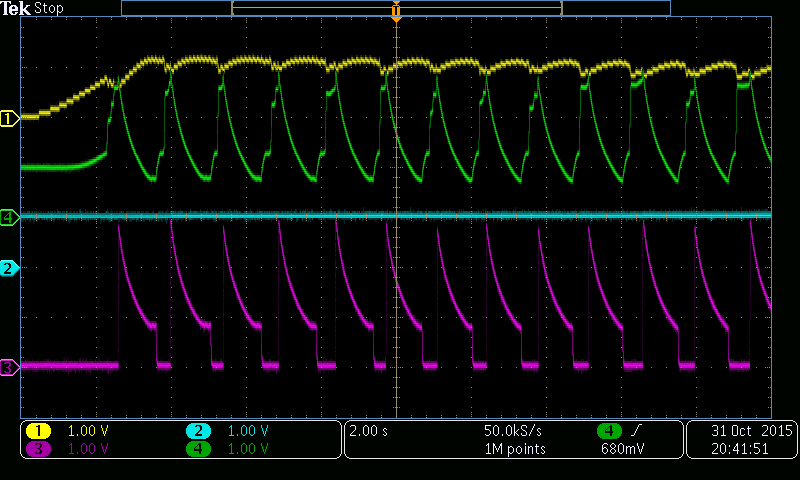
LDO = 2.0 V, frc\_ulp\_ldo = 0;

Timer = 1 s

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Settings | | | | |
| HRV period | 16 s |  | V\_bat\_max\_hi | 5,5 |
| HRV\_meas | 1 s |  | V\_bat\_max\_lo | 5,2 |
| STS period | 8 ms |  | V\_bat\_min\_hi\_dis | 2,9 |
| LTS period | 16 s |  | V\_bat\_min\_hi\_con | 1,9 |
| Bat. Low V Prot. | off |  | V\_bat\_min\_lo | 1,8 |
| Mppt | 88 % |  | V\_apl\_max\_hi | 3,5 |
| 2 Dioden 1N4148 |  |  | V\_apl\_max\_lo | 3,0 |

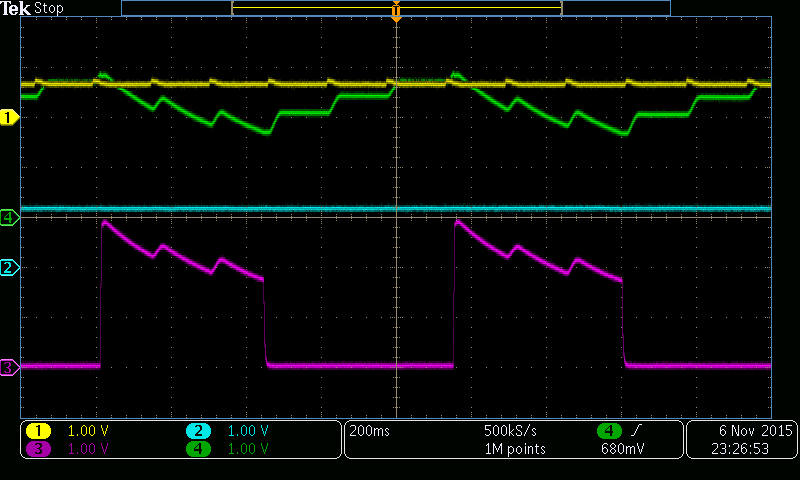
Unbrauchbar, da V\_bat\_max\_hi zu hoch

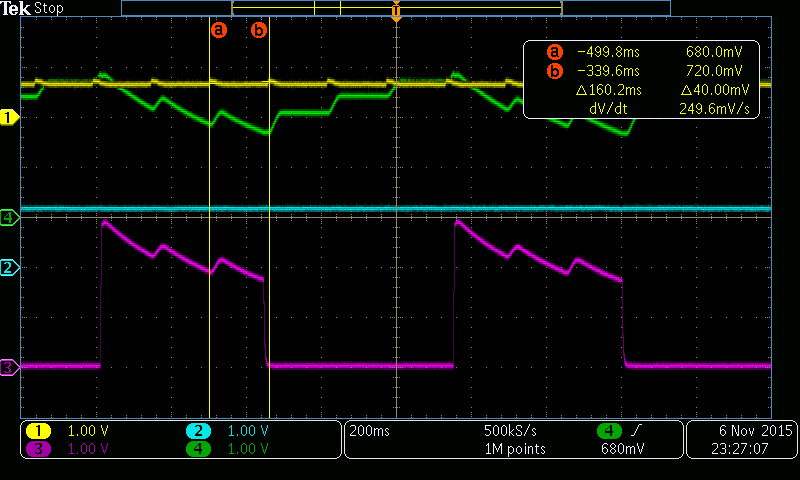


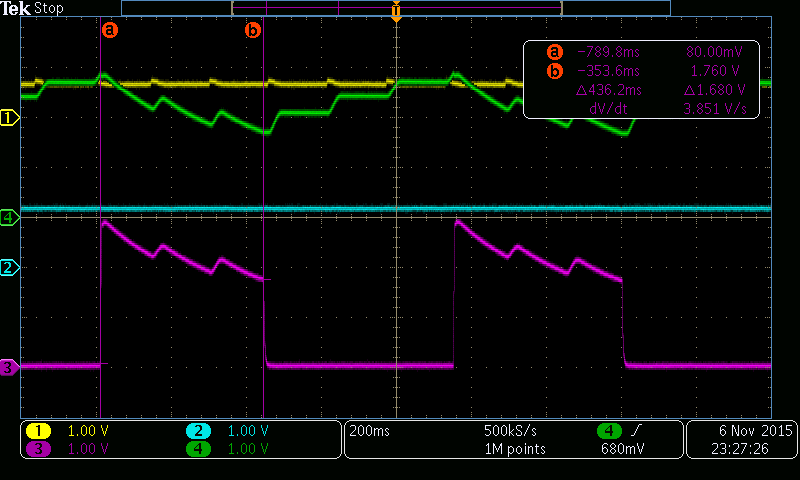


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| --- | --- | --- | --- | --- |
| Settings | | | | |
| HRV period | 16 s |  | V\_bat\_max\_hi | 4,2 |
| HRV\_meas | 1 s |  | V\_bat\_max\_lo | 4,1 |
| STS period | 16 ms |  | V\_bat\_min\_hi\_dis | 2,9 |
| LTS period | 16 s |  | V\_bat\_min\_hi\_con | 1,9 |
| Bat. Low V Prot. | on |  | V\_bat\_min\_lo | 1,8 |
| Mppt | 88 % |  | V\_apl\_max\_hi | 3,5 |
| 3 Dioden 1N4148 |  |  | V\_apl\_max\_lo | 3,4 |

LTS gibt keine Energie zurück

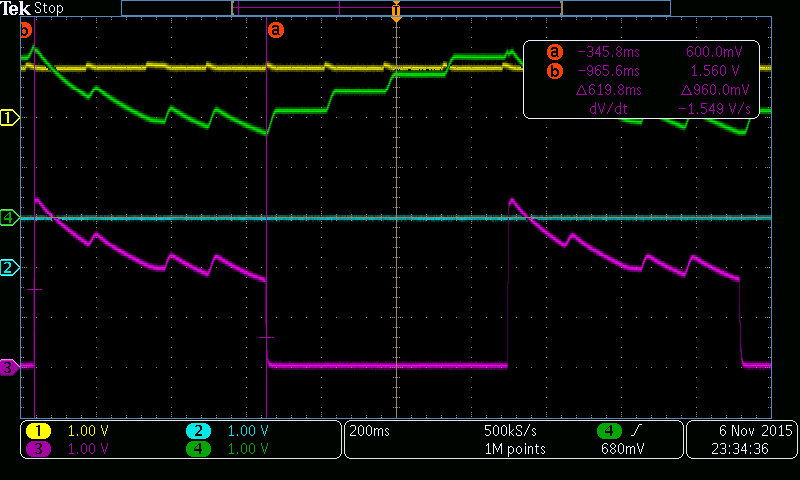
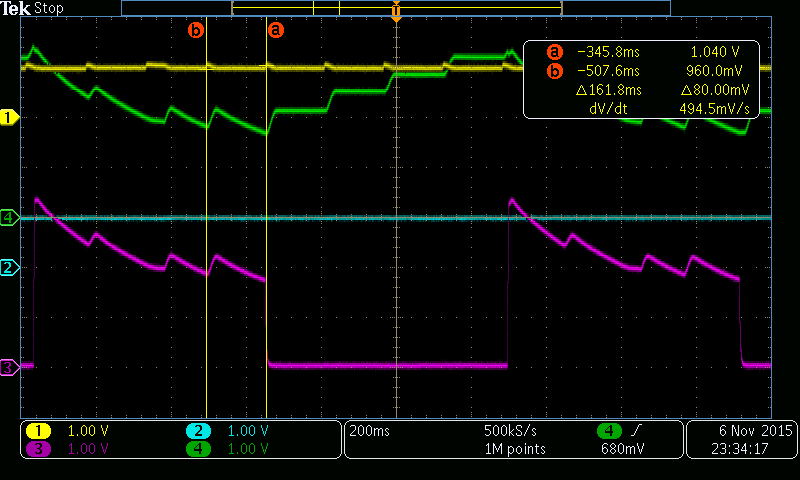
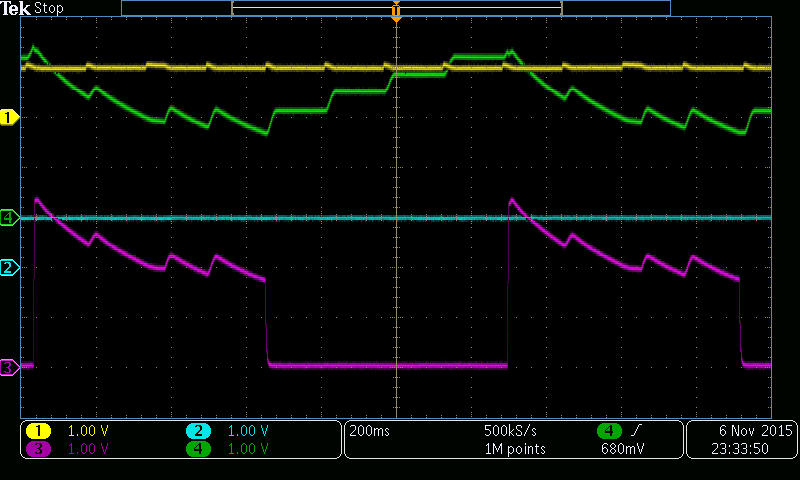






|  |  |  |  |  |
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| HRV\_meas | 1 s |  | V\_bat\_max\_lo | 4,1 |
| STS period | 16 ms |  | V\_bat\_min\_hi\_dis | 3,3 |
| LTS period | 16 s |  | V\_bat\_min\_hi\_con | 1,9 |
| Bat. Low V Prot. | on |  | V\_bat\_min\_lo | 1,8 |
| Mppt | 88 % |  | V\_apl\_max\_hi | 3,5 |
| 3 Dioden 1N4148 |  |  | V\_apl\_max\_lo | 3,4 |

LTS gibt keine Energie zurück



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| HRV period | 8 s |  | V\_bat\_max\_hi | 4,2 |
| HRV\_meas | 1 s |  | V\_bat\_max\_lo | 4,1 |
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| LTS period | 16 s |  | V\_bat\_min\_hi\_con | 2,1 |
| Bat. Low V Prot. | on |  | V\_bat\_min\_lo | 1.8 |
| Mppt | 88 % |  | V\_apl\_max\_hi | 3,5 |
| 3 Dioden 1N4148 |  |  | V\_apl\_max\_lo | 3,4 |