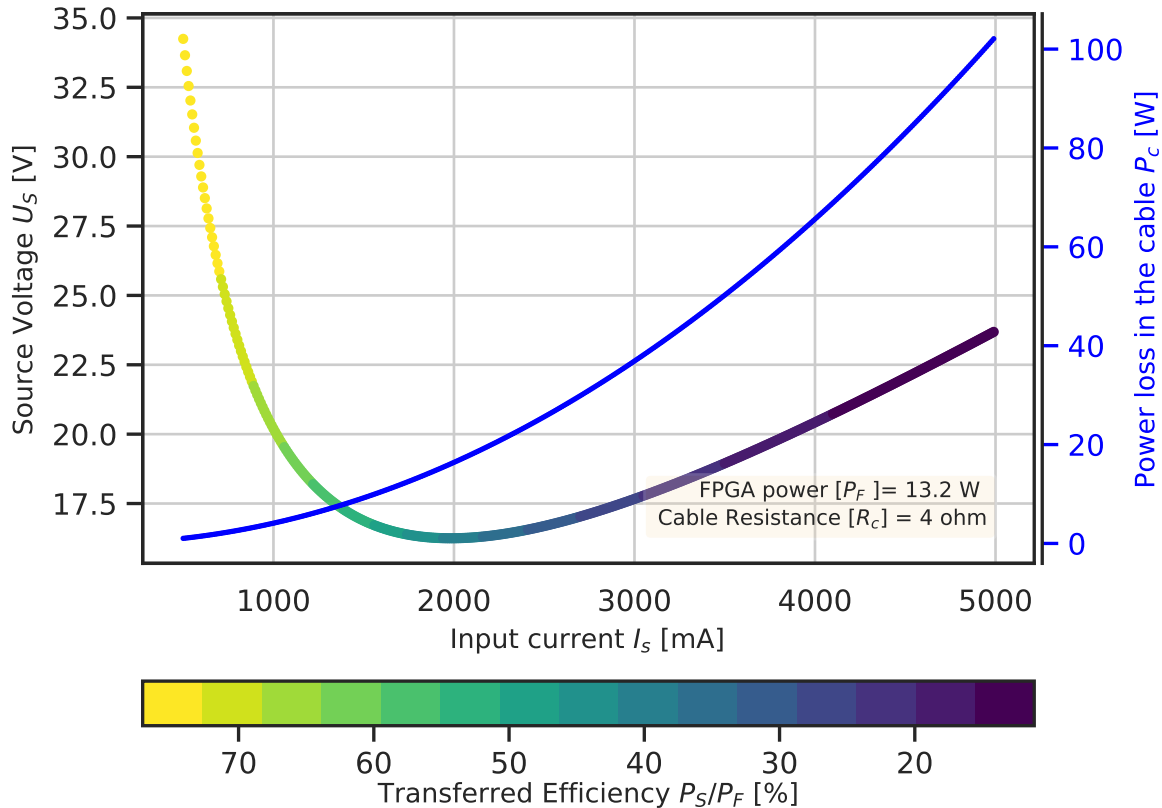
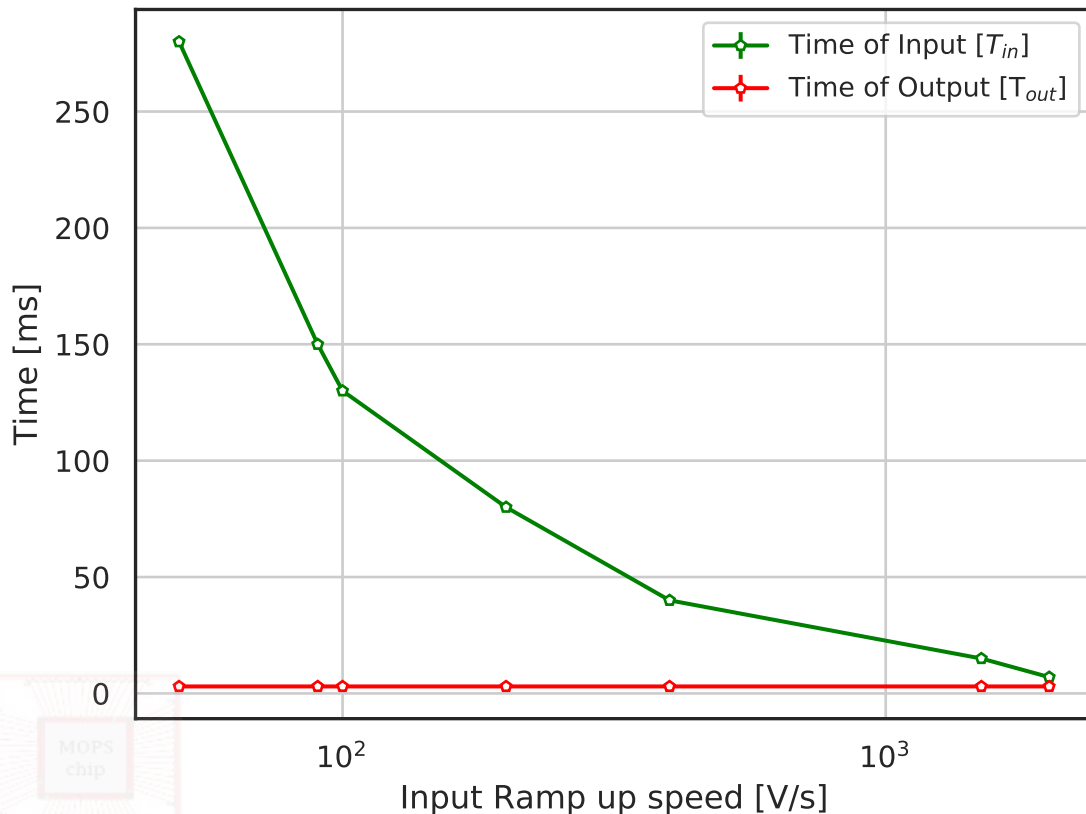


Supply Voltage needed [DC module efficiency is 82%]

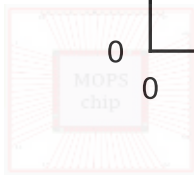
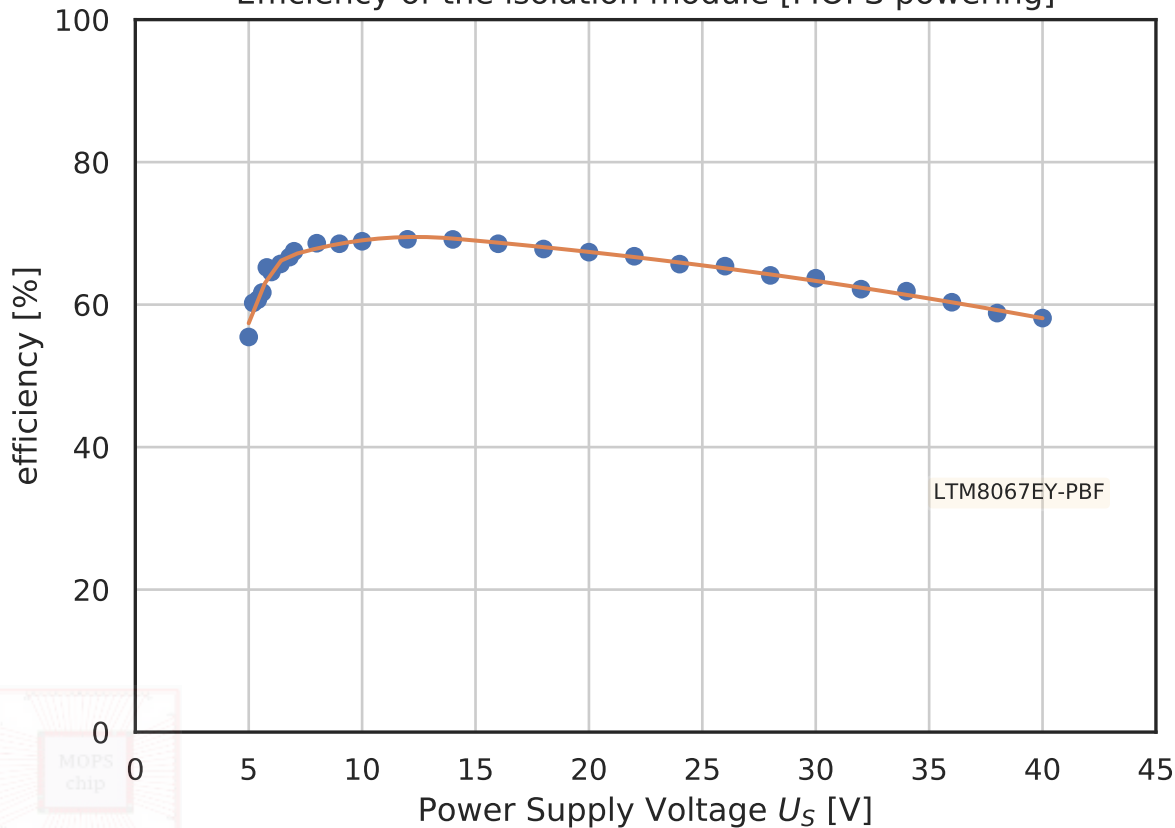


Time signals at different ramp-up speeds [LTM8067EY-PBF, $V_{in} = \text{pup}$]

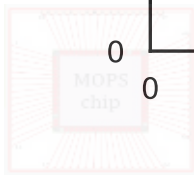
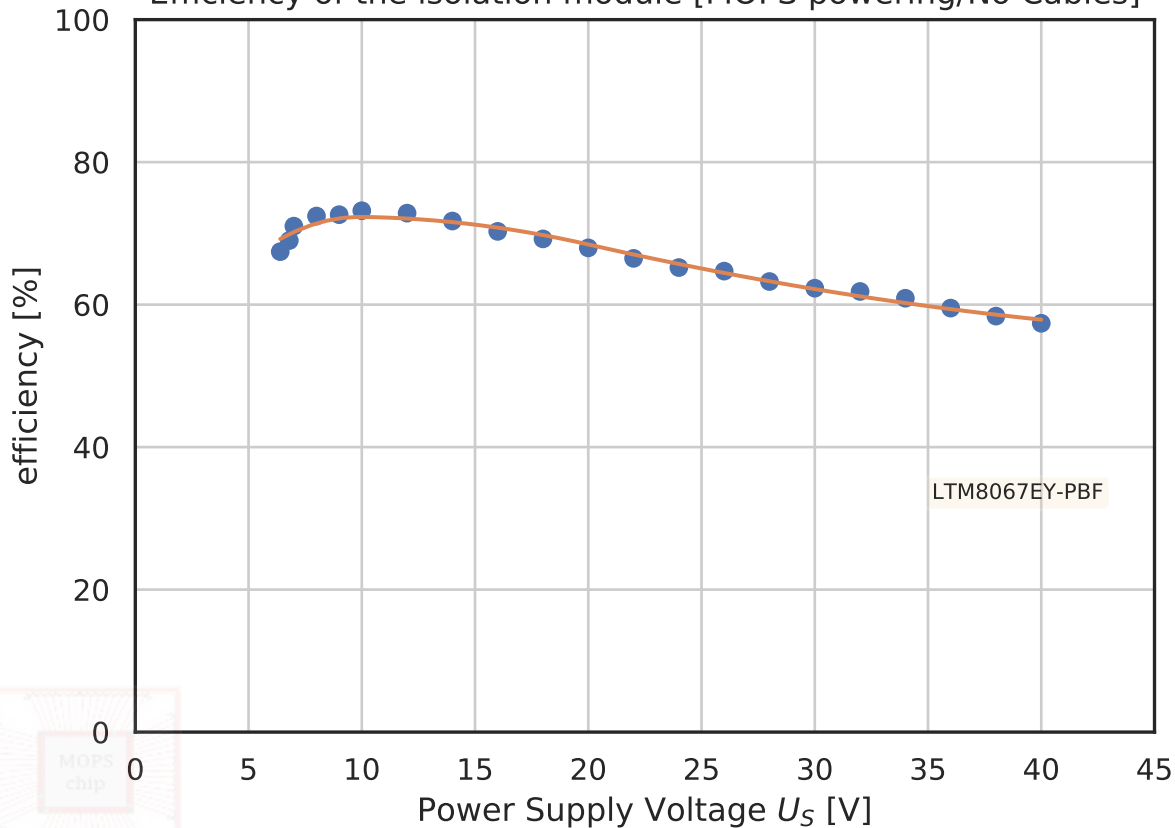


MOPS
chip

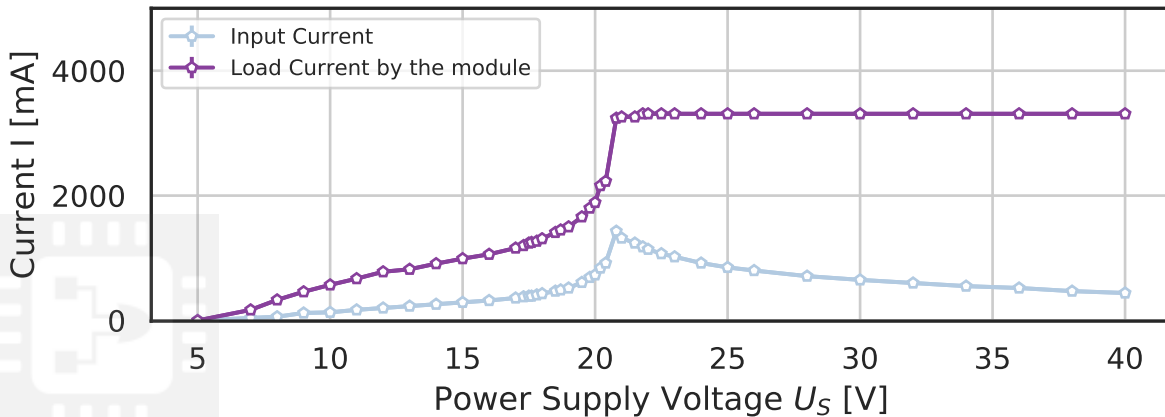
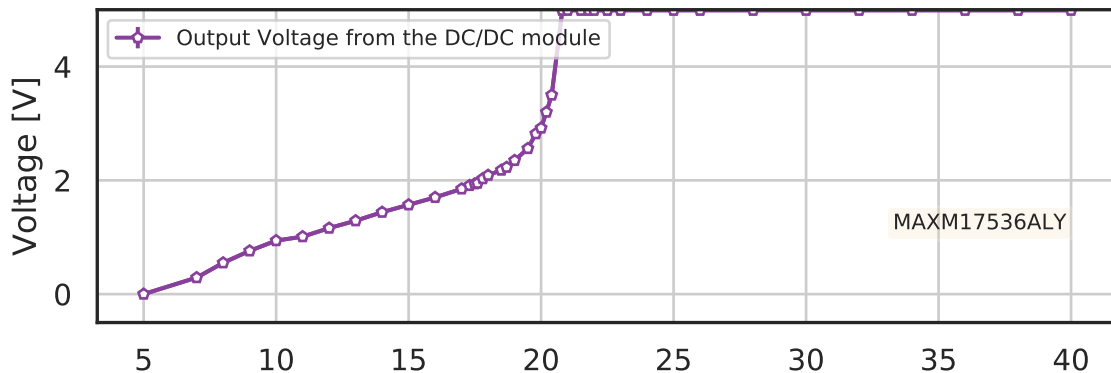
Efficiency of the isolation module [MOPS powering]



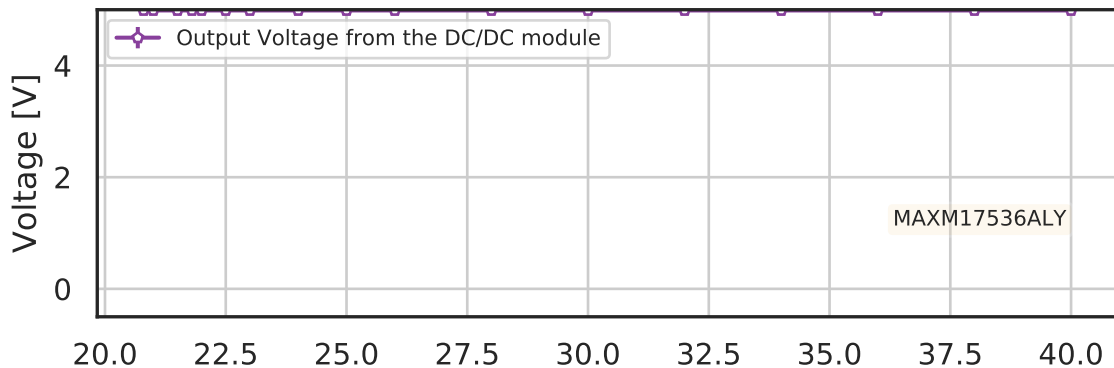
Efficiency of the isolation module [MOPS powering/No Cables]



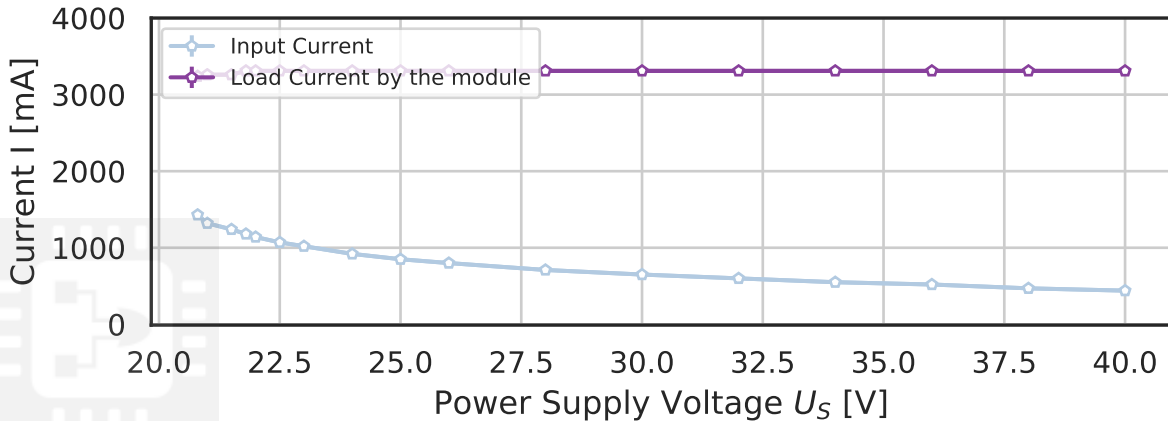
Testing results of the step down module [FPGA powering]



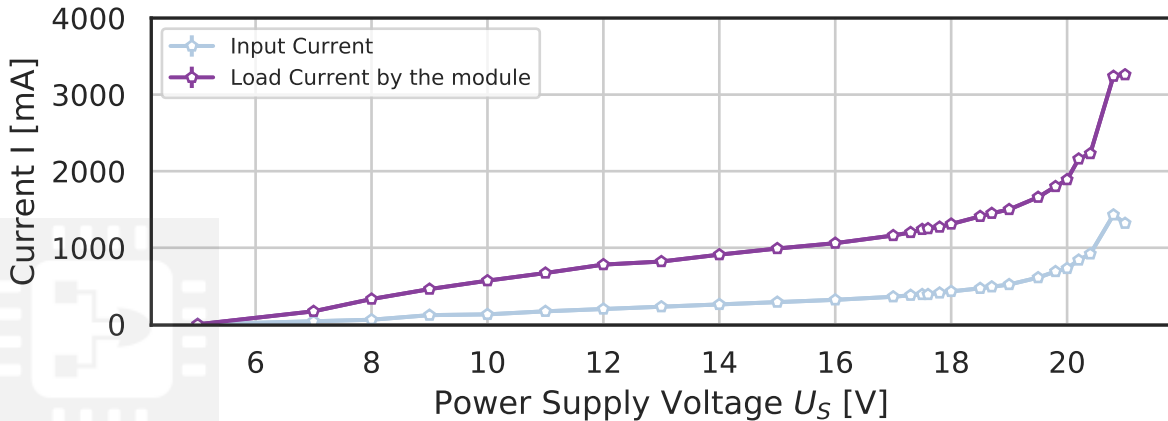
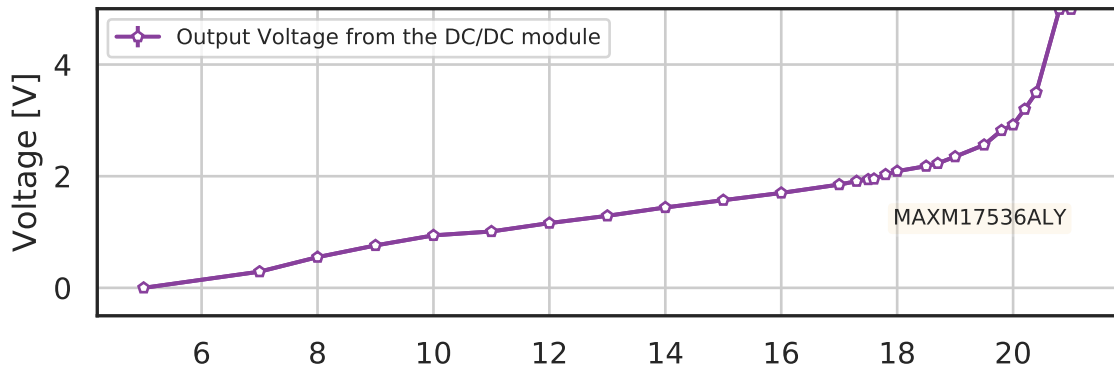
Testing results of the step down module [FPGA powering]



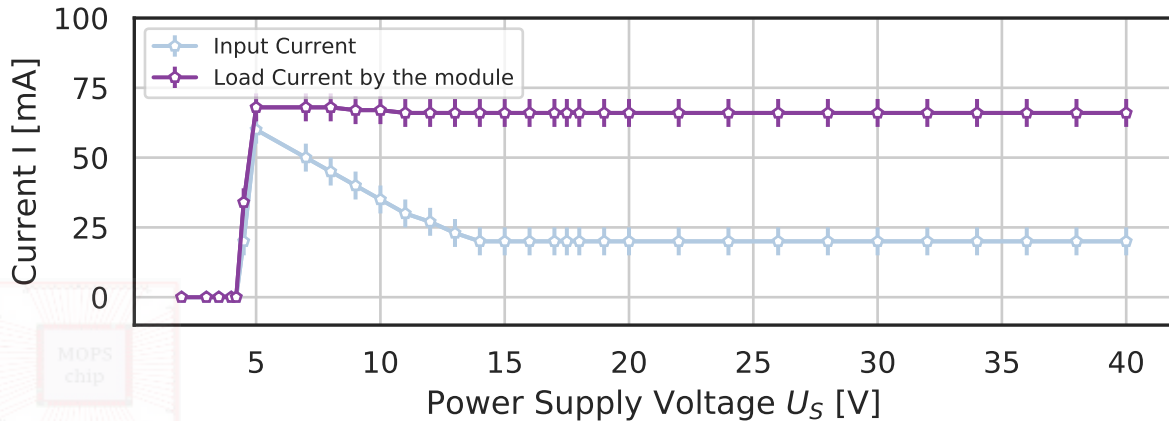
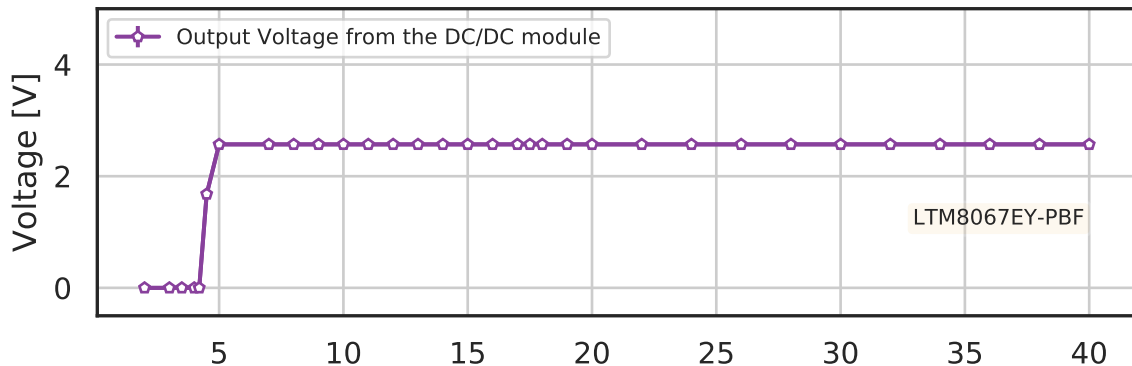
MAXM17536ALY



Testing results of the step down module [FPGA powering]

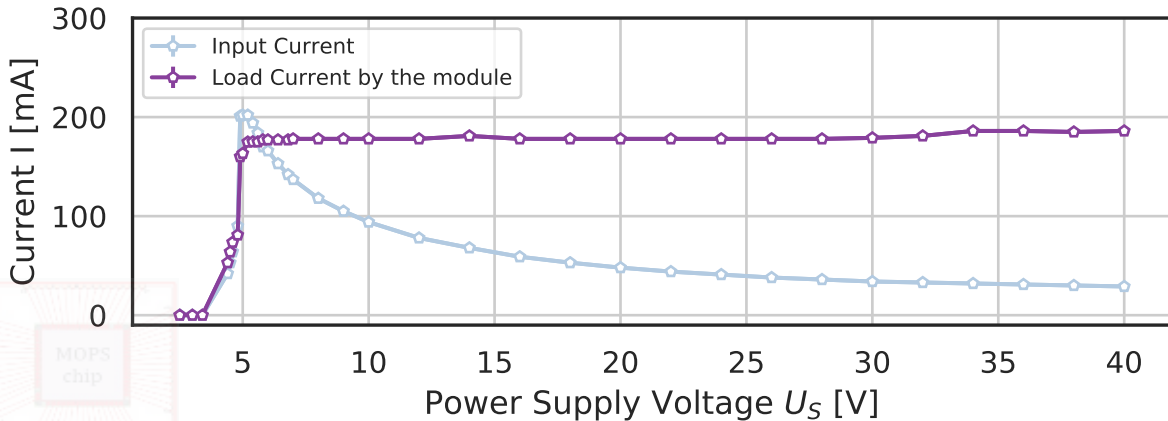
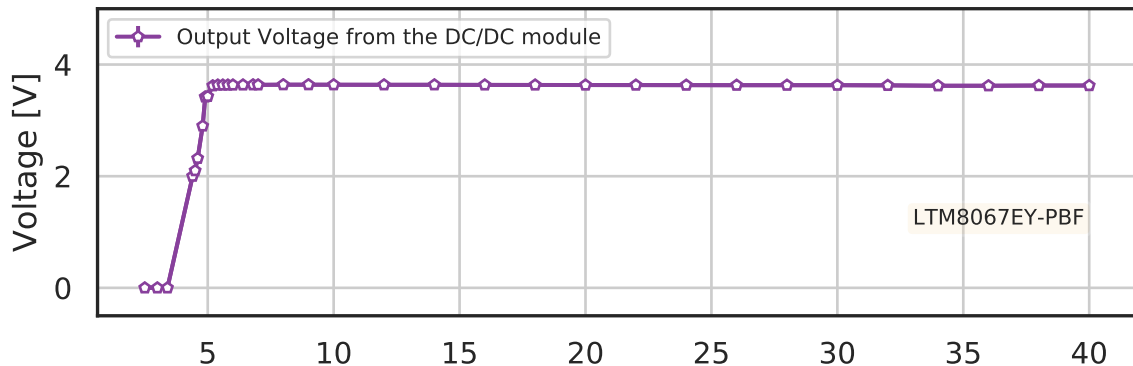


Testing results of the isolation module [MOPS powering]



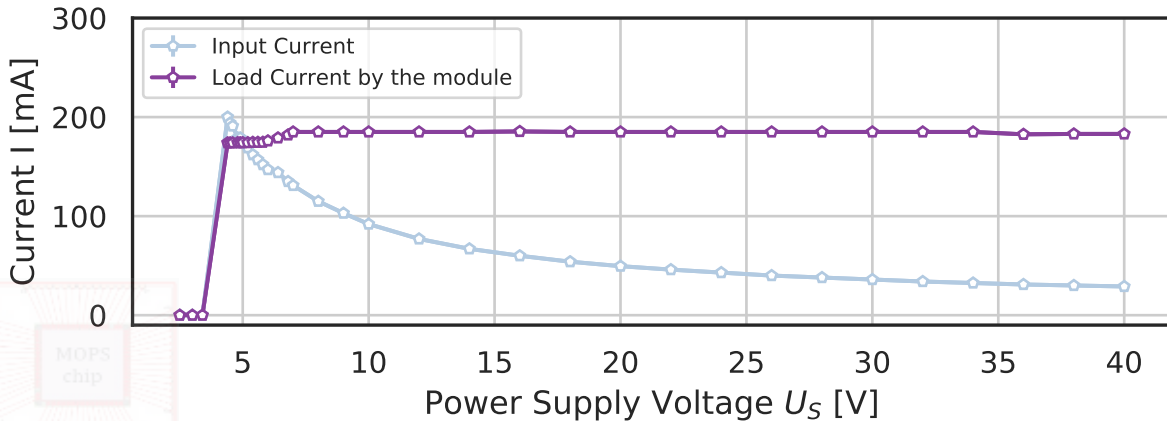
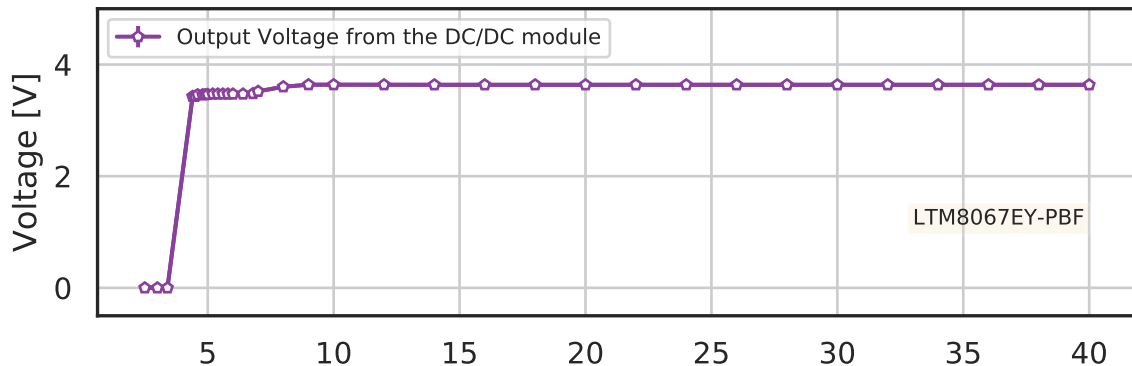
MOPS
chip

Testing results of the isolation module [MOPS powering]



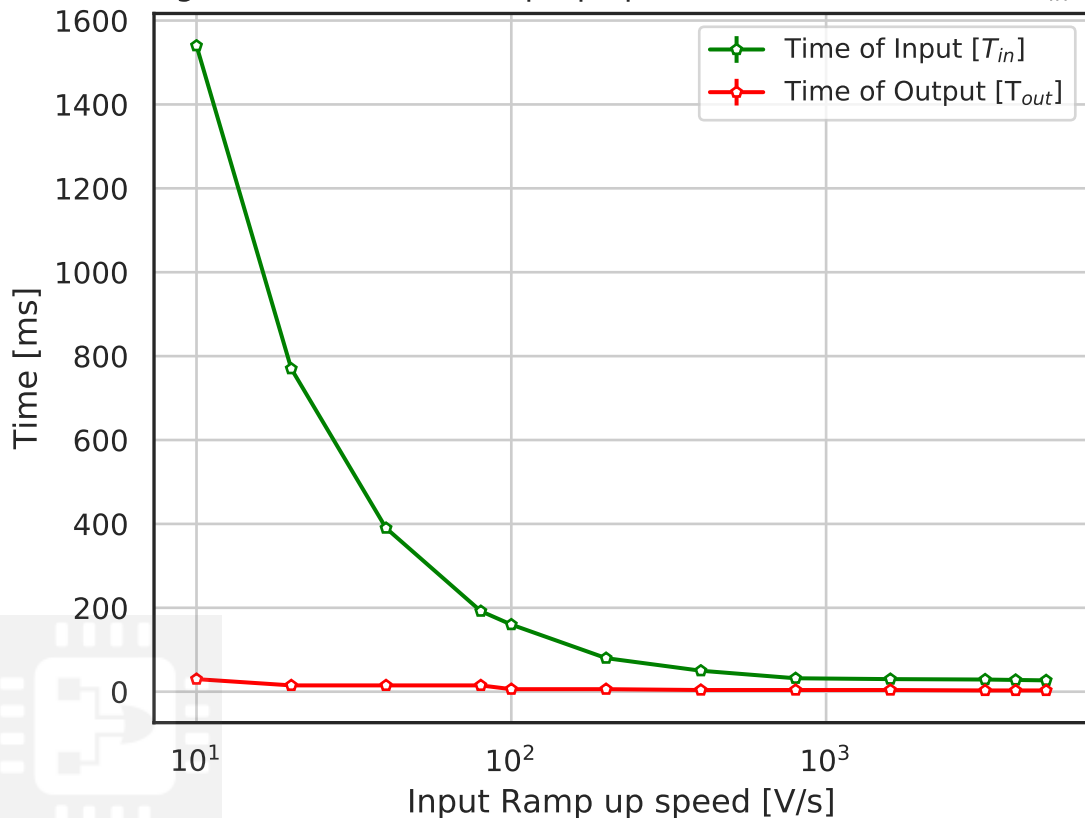
MOPS
chip

Testing results of the isolation module [MOPS powering/No Cables]

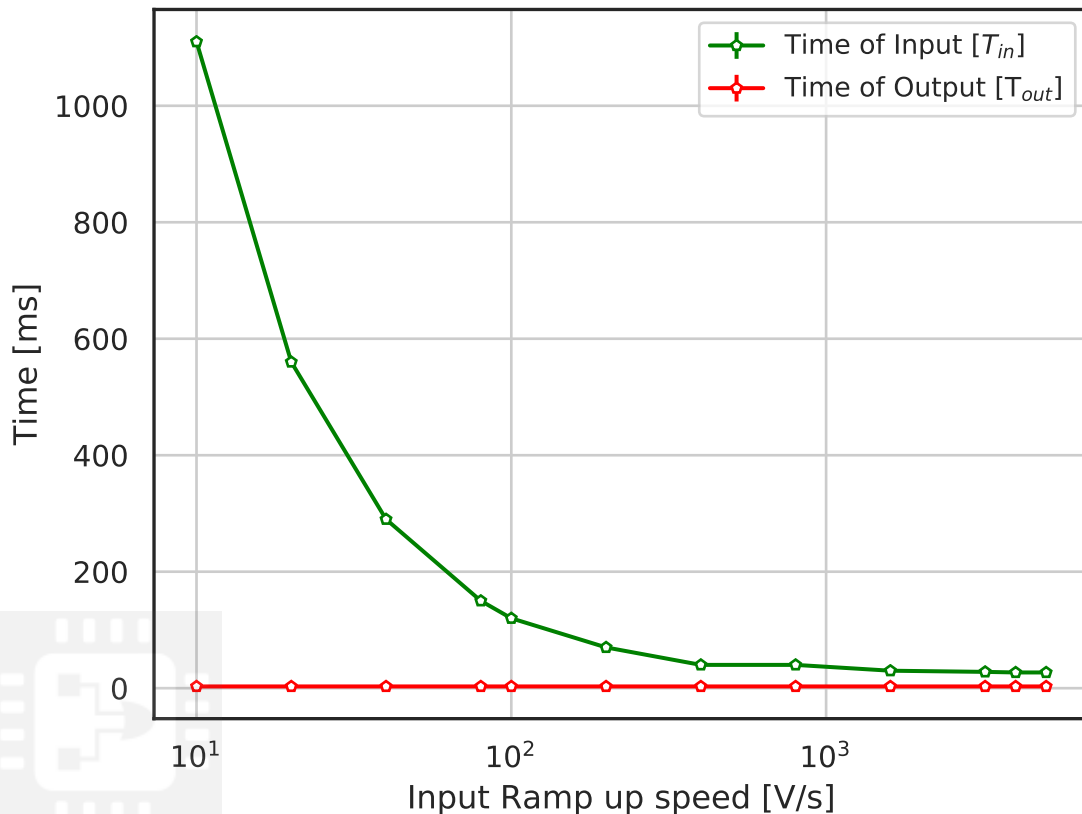


MOPS
chip

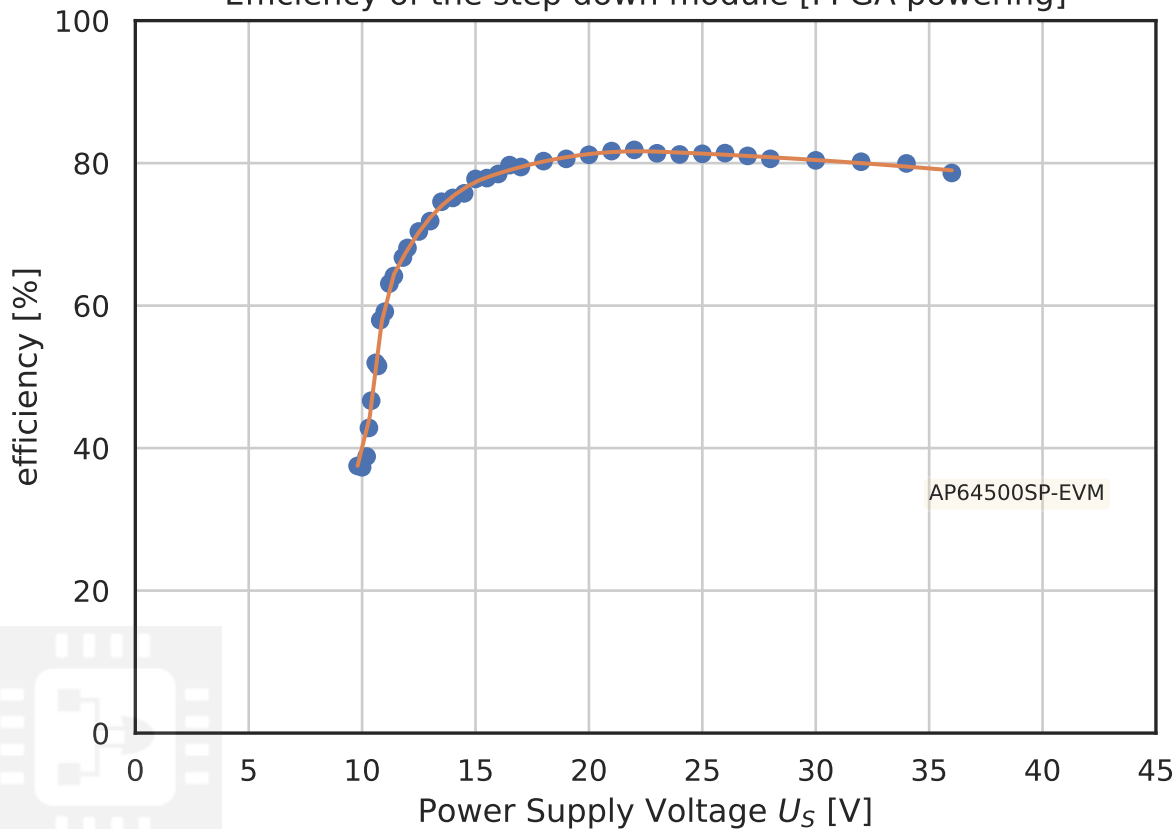
Time signals at different ramp-up speeds [AP64500SP-EVM, $V_{in} = 20V$]



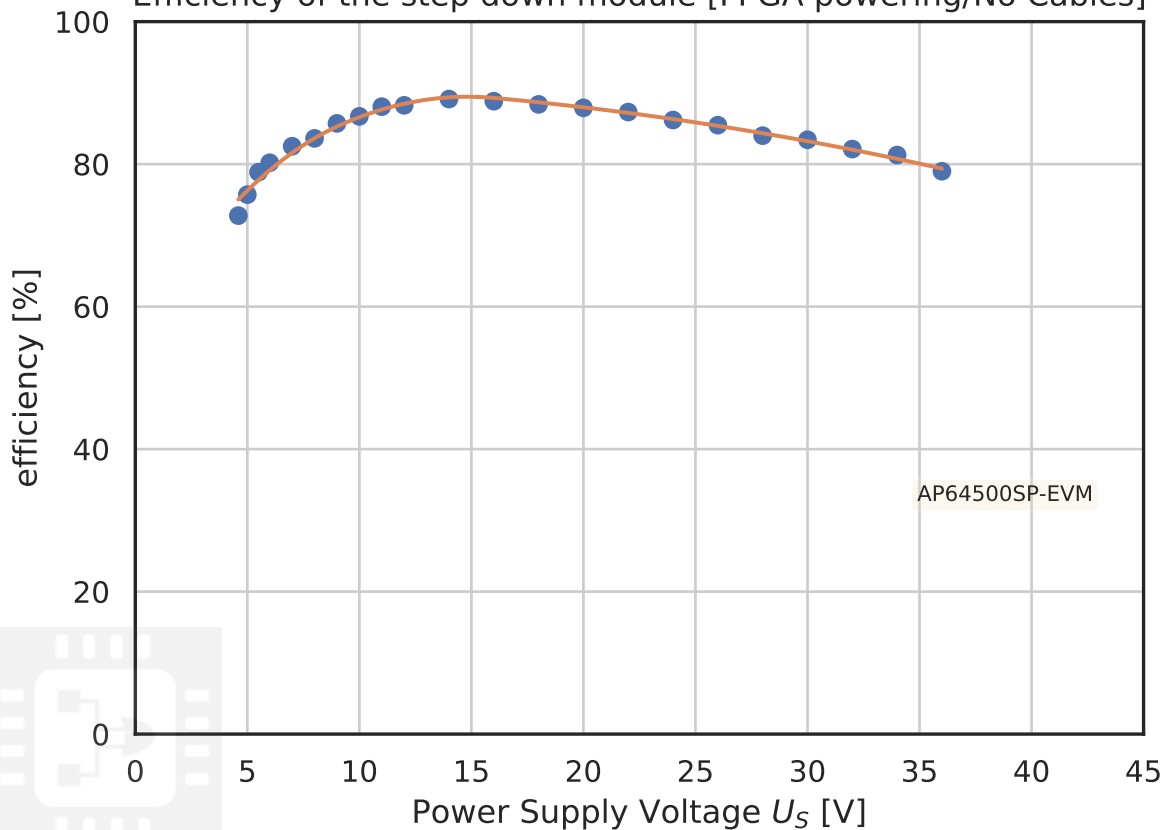
Time signals at different ramp-up speeds [AP64500SP-EVM, $V_{in} = 15V$]



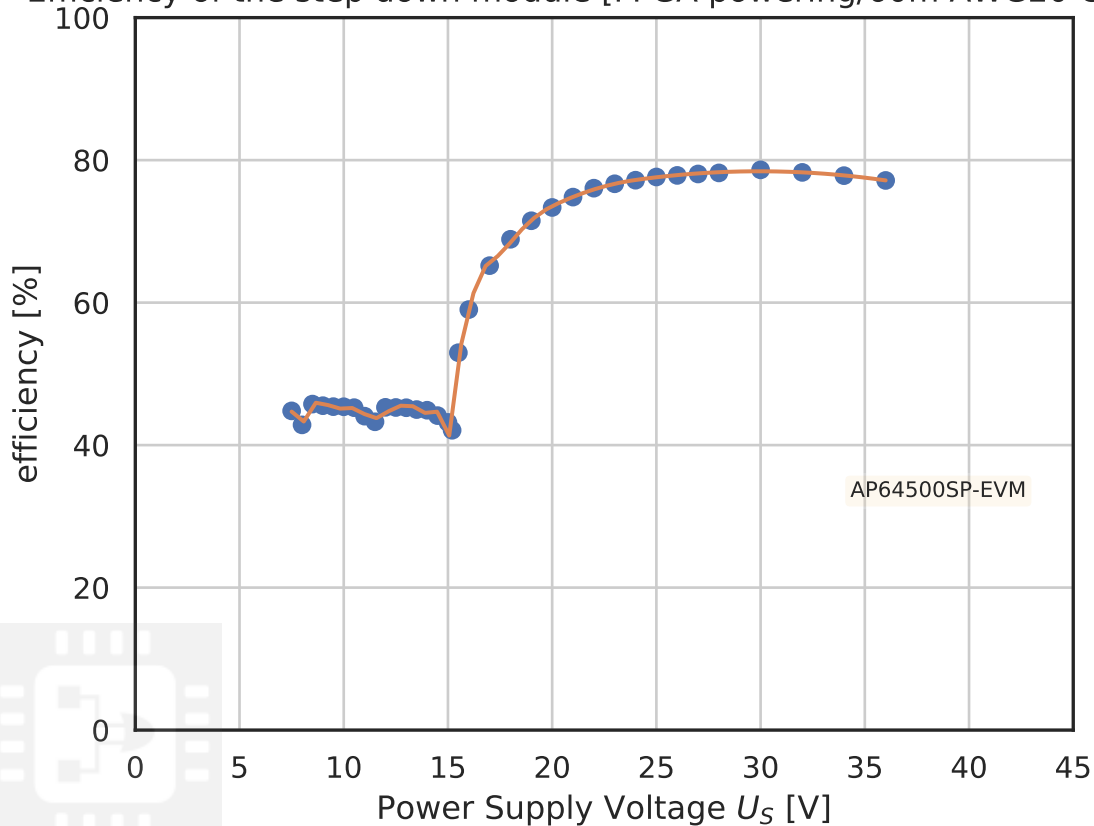
Efficiency of the step down module [FPGA powering]



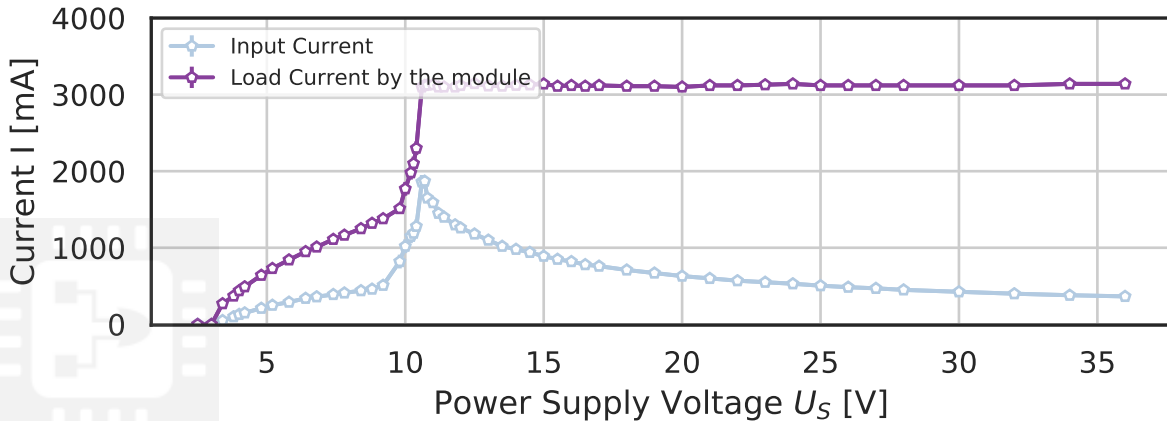
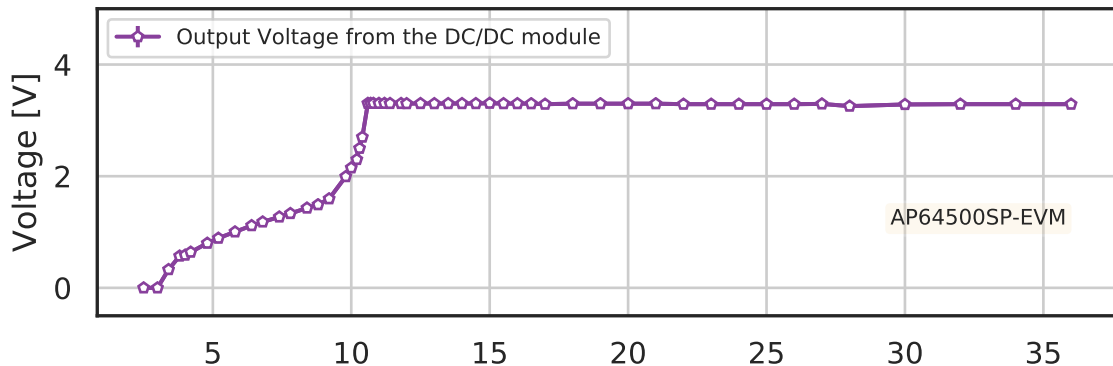
Efficiency of the step down module [FPGA powering/No Cables]



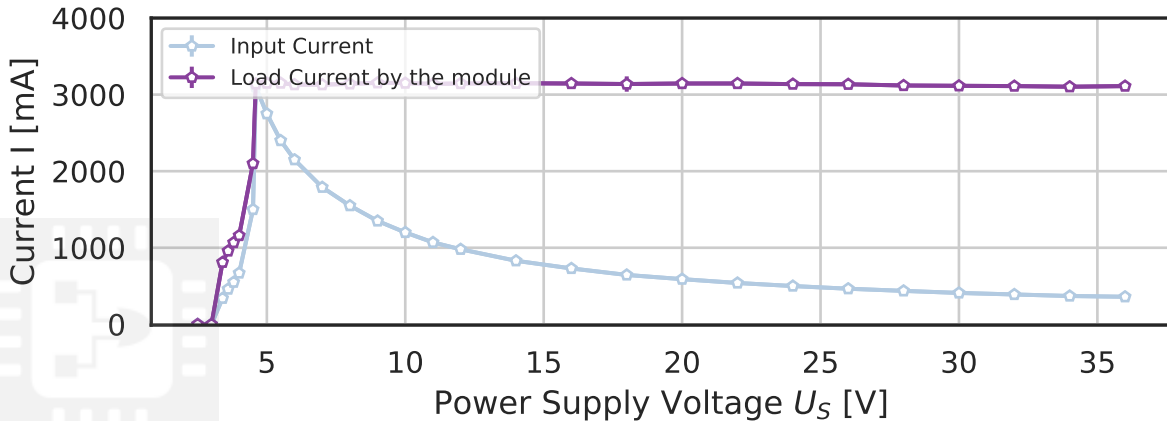
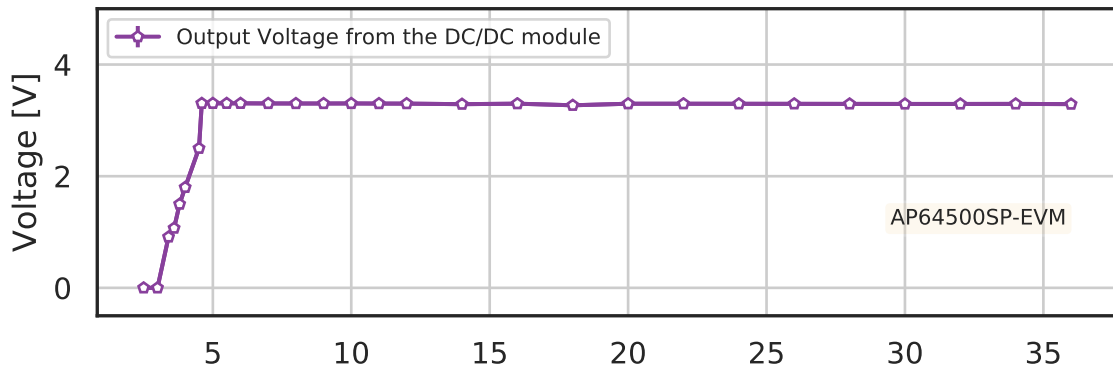
Efficiency of the step down module [FPGA powering/60m AWG20 Cable]



Testing results of the step down module [FPGA powering]



Testing results of the step down module [FPGA powering/No Cables]



Testing results of the step down module [FPGA powering/60m AWG20 Cables]

