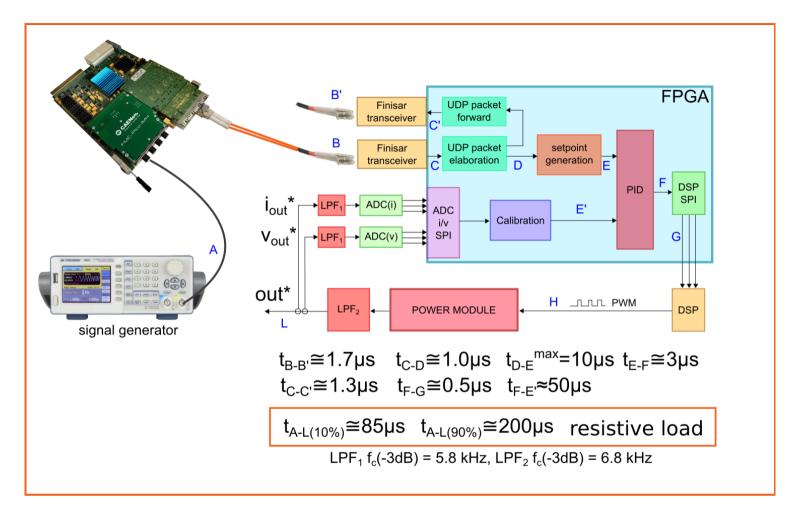
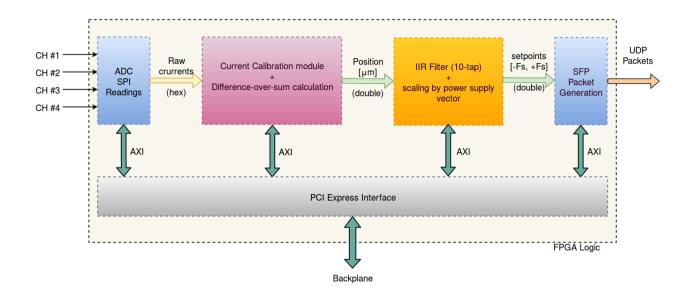
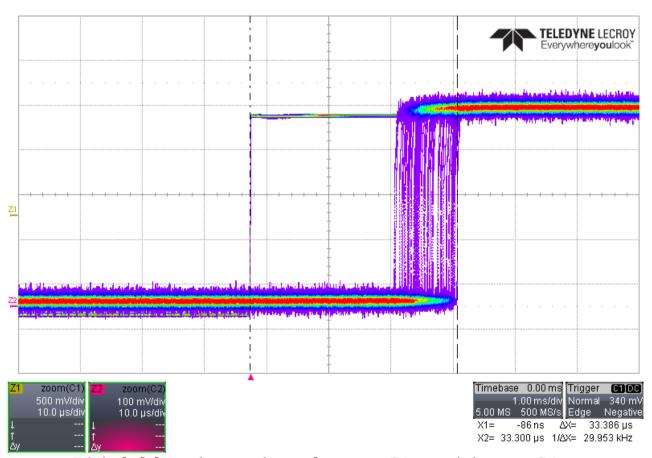
## **Soffox System:**



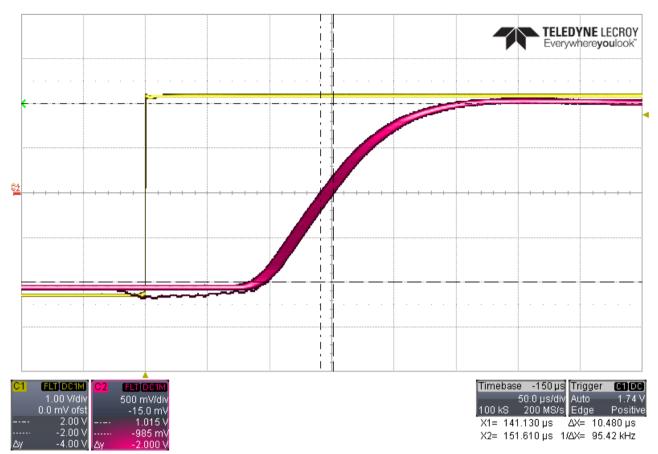
## Delay Measurements of DAMC-FMC25 digital elaboration:



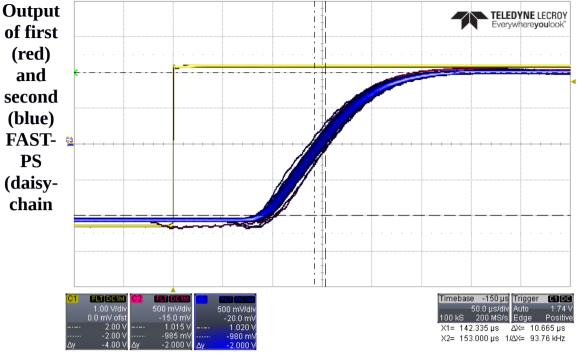


Digital elaboration maximum latency  $\approx$  34 us, minimum  $\approx$  24 us

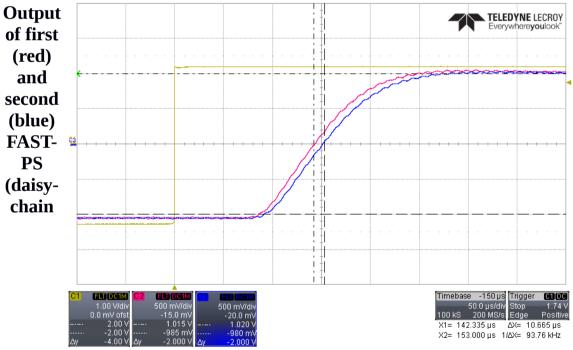
## **Overall Latency Measurements:**



 $t_{A-L} \approx 85$  us (10%),  $t_{A-L} \approx 200$  us (90%),  $\Delta t = 10$  us square wave (yellow), voltage on resistive load (red) recorded with Lecroy MSO 44MXs-B with "persistance" enabled

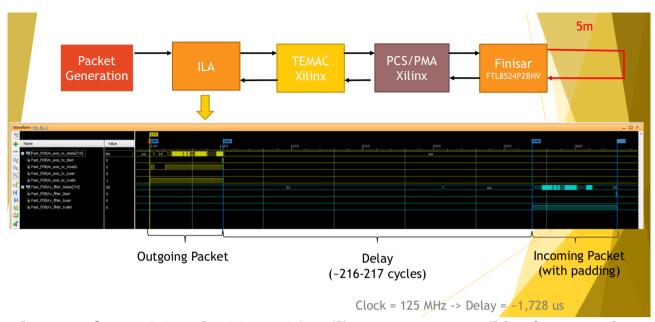


connection) recorded with Lecroy MSO 44MXs-B with "persistance" enabled



connection) recorded with Lecroy MSO 44MXs-B with "persistance" disabled, maxium  $\Delta t$ =10 us

## **Additional Latency Measurements:**



latency of TEMAC and PCS/PMA ip Xilinx Cores, responsible of UDP packet elaboration and transmission on FAST-PS