

DARPA LLRF

4/25/2023

- SLAC DSP block documentation
 - Sample for the documentation: <https://github.com/slaclab/model-composer-dsp-lib/blob/main/docs/src/DspBlocks/AmplitudeControl.rst>
- Updates in LLRF firmware development - trigger signals for SSA and modulator IP added to dspcore.slx
 - [ACCEL LLRF Firmware.pdf](#)

4/4/2023

- Updates in LLRF firmware development
 - [ACCEL development progress apr 4.pdf](#)
- Demo/proof of concept for RF frequency tuning
 - [ACCEL RF Frequency Tuning .pdf](#)

3/9/2023

- Updates in Cavity test with RFSoc
 - [DARPA ACCEL cavity measurement with RFSoc.pdf](#)

3/2/2023

- updates in firmware block development flow and block development
 - [ACCEL development progress March 2023.pdf](#)

2/22/2023

- Steps for custom Simulink library:
 - <https://www.mathworks.com/help/simulink/ug/adding-libraries-to-the-library-browser.html>
 - <https://www.mathworks.com/help/simulink/ug/creating-block-libraries.html>
 - Tutorial: https://youtu.be/KrenaWTW_SU
- Test results for the updated RFdc IP: [ACCEL rfdc test Feb 2023 .pdf](#)

2/16/2023

- ACCEL Algorithm Development Plan Feb Updates: [ACCEL development plan Feb 2023.pdf](#)

1/30/2023

- [ACCEL LLRF Control Specifications](#)
- [ACCEL development plan Jan 2023](#)
- [Meeting notes \(30JAN2023\)](#)

2022

- [DARPA LLRF Meeting Notes](#)
- [DARPA LLRF Documentation and Test Results](#)