

Meeting Minutes

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Client

December 6, 2017 3:30pm-4:15pm

Agenda Notes/Status Report

Status: We looked at the FMC and ADC boards and determined that the bank voltages and throughput for the FMC is correct. Our range for sampling is between 1 and 200 gigasamples works for us. The PCIE connection is also fast enough for what we need.

The reference design goes directly to DDR memory, we would have to modify that using a core to stream through the PCIE connection. We need a low level driver to communicate with the PCIE connection.

We are looking at the date that they are able to deliver it (we need it definitely before middle of February). The client has a carrier card that we can use in the mean time.

Monthly Status Report Feedback: Overall it is good, the main problem is that assumptions are being made about what we know versus what they know. It is difficult to understand a lot of things, and it would be helpful to have a problem statement and a thesis for each section. Jay also had a lot of comments that were helpful.

For every section in report, ask these questions: Why you did this? What was done? What does it mean in the context of the project?

They need a better summary of everything and explain what is going on. They need more background information. For graphs, we need figure name, description, and labels. We need more cohesion within the Monthly Status Report. We also should add a "Risk" portion within the MSR.

After this, Jay asked a few technical questions about hardware captures and how we want to capture them, algorithm analysis, increasing the frequency of the target processor to 16 MHz, simulation data, the cross correlation algorithm, and FEKO software.

We have a good correlation between one code block and another code block. The next step is to find any differences between code blocks due to boot code configurations.

We need more professionalism in our responses to the client's email, especially about the parallelism of the work.

Key Decisions

- * Key Decision: The client will use gitlab to send us Monthly Status Report feedback.
- * Key Decision: Send the client an updated design description of the project.
- * Key Decision: Next meeting will be on January 10 (next semester) to recap.

Action Items

- * Team: Update the MSR with Jay's comments OR have a design explanation - a general, technical description of the project.