## Term project proposal

**Title:** Influence of Interconnects upon Differential Signal

We will design a breakout board of the USB connector that brings the differential signal to the SMA connectors. This could serve as the 5Gbps signal source. Then the signal would be brought to another board with different channels and measured the eye diagram at different places. Hence, with the measurement result, the influence of the interconnects on the USB differential signal could be measured and understood. We will also perform simulation and compare the result with actual measurement.

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