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| Not started | Paused | Working on | Almost finished | Done |

* Motivation
  + Price comparison: Tek AWG + Alazar v.s. ZCU216
* Overview
* Firmware
  + overview
  + Vivado
  + Ip
  + bd
* Software
  + overview
  + Experiment program coding basics
    - Initialize(), Body(), config, declare\_readout(), acquire(), etc
  + Some important python classes
    - Pynq: MMIO, Overlay, DefaultIP
    - Qick’s python lib: QickSoc, QickConfig, QickProgram, AveragerProgram, RAveragerProgram
* Hardware
  + Components
    - Xm566 daughter board
    - 10MHz Rubidium clock
    - Local oscillator - sgs100a
    - Amplifier, mixer, splitter, DC-block, attenuator
  + Issues
    - Rf component’s non-linearity
    - ZCU PLL settings & sync with 10MHz Rubidium clock
* Experiment
  + Signal integrity debugging
    - Sampling & re-construction
    - DAC & ADC calibration table
    - Sgs100a usage notes.
  + Qubit measurement
    - Setup
    - Comparison with r&s VNA on oneTone measurement