**Backend**

**Program FPGA:**

cat pulsed\_nmr\_planB\_05192018.bit >/dev/xdevcfg

This new bitfile has fixed the GRADOFFSET problem.

**Run server code:**

./server/latest/mri\_lab 60 32200

Duration of 90 RF (hard pulse): 60

Amplitude of 90 RF (hard pulse): 32200 (14\*2300)

Programmable attenuator: 5.25dB (4~6 will also work)

**Frontend**

**Run client code:**

python runMRI.py