Two SQZ angle are controlled through LO (08.26.2024)

PID controller of Red Pitaya for “LO to CLF2” is set as the pid.p=20, pid.inputfiter = 1, offset = -0.1, setpoint=0 (Lowpass Filter: DC Gain = 20, Cutoff = 1 Hz)
PID controller of Red Pitaya for “CLF1 to LO” is set as the pid.i=40 (intergrator: 0dB@40Hz)

Both controls should be operated with small voltages (0~30 V). When measuring TFs with large voltages, it often fails. This may be because the sounds of PZT, so tried putting 100kohm, 10kohm, 10ohm resistors before the PZT but TFs are not successfully measured. It needs investigation

CLF should be locked to compensate frequency difference of CLF frequency of Red Pitaya and of Moglab



