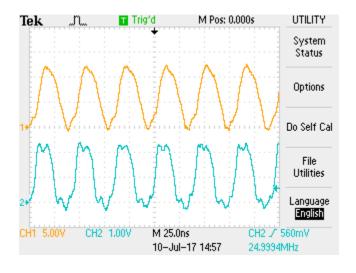
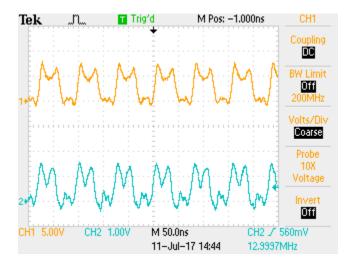
Breadboard Setup

Was excited to see good 25MHz square wave initially – until chip went up in smoke!



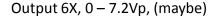
- Single chip mounted on SOIC-to-DIP adapter pcb and plugged into classic breadboard
- Same circuit configuration
- Lab signal generator input (to all 4 amps)
- Power +15/-10 V
- Different parasitics, better/worse?

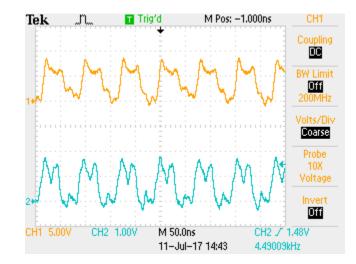
Output 6X, 0 - 6.0Vp, (maybe)



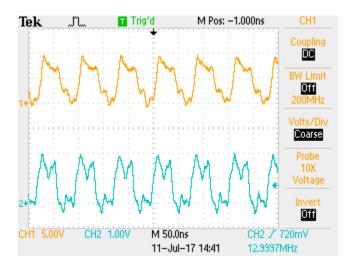
Input 0 -1.0V p

Please excuse the terrible input waveforms – generator cable terminations were not working!

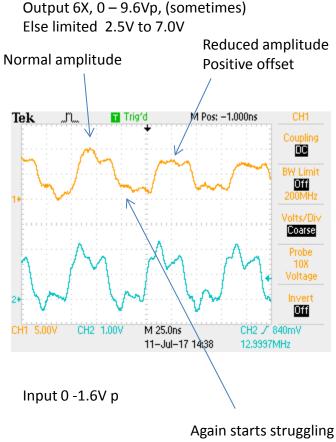




Input 0 -1.2V p



Input 0 -1.4V p

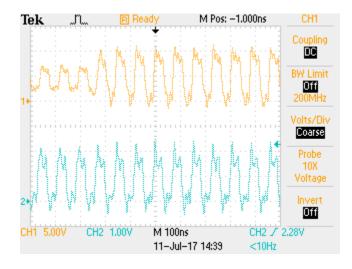


with falling edge step!

Output 6X, 0 - 8.4Vp, (maybe)

Shrunk timescales to capture (trigger on) saturation/oscillation

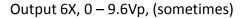
Output 6X, 0 – 9.6Vp, (sometimes)

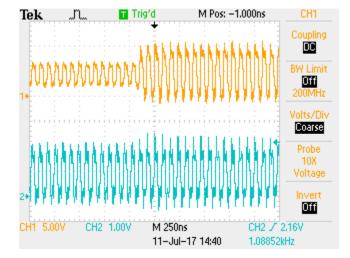


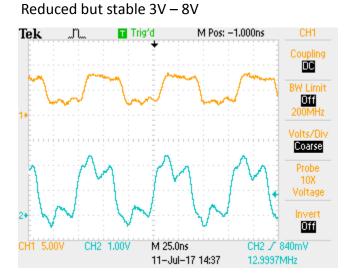
Input 0 -1.6V p

Input 0 -1.6V p

Note – The power supply was temporarily adjusted to +/- 15V to see if headroom was an issue – Results were unchanged!

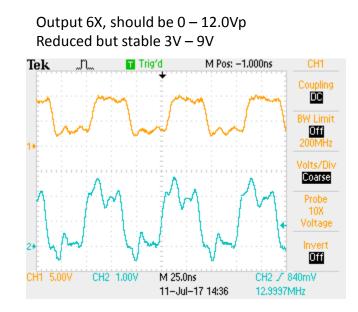






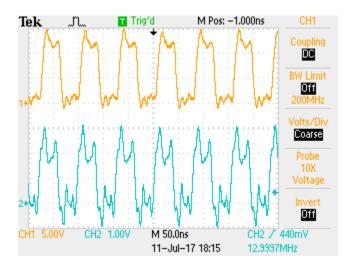
Output 6X, should be 0 – 10.8Vp

Input 0 -1.8V p



Input 0 -2.0V p

Output 6X, should be 0 – 12.6Vp Snapped back close to correct amplitude and a lot less positive offset!



Input 0 -2.1V p

- For this entire sequence, only the input amplitude was adjusted on the lab generator. No other changes, scope probes weren't even touched!
- What the devil is going on with the amp??