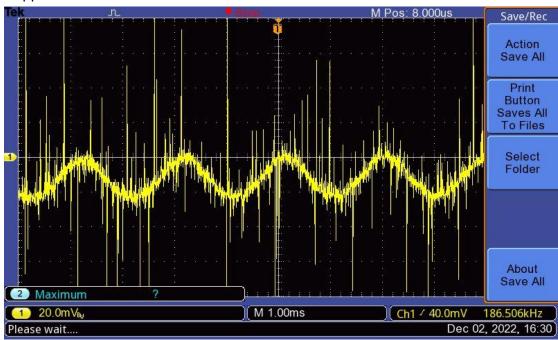
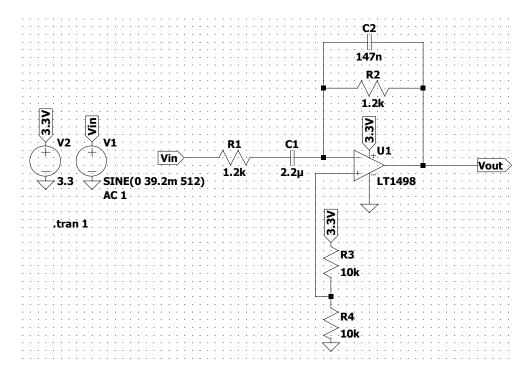
1. Doppler radar



2. Filter Circuit:



for 2 DV for velocity difference of the speed frequency of 100 pt.

Our resistor values:

R1=R2=1.2k

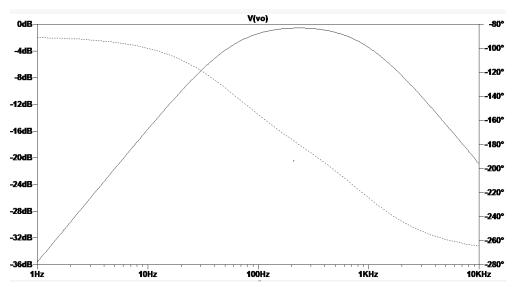
C1=2.2u

C2=100n + 47n =147nF

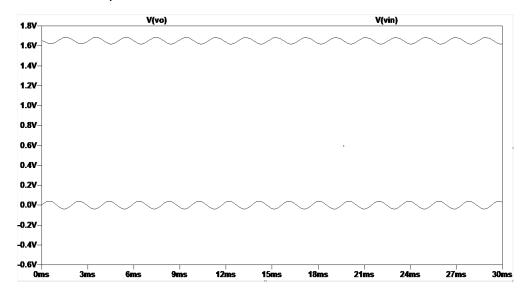
Fcl=62.735 Hz

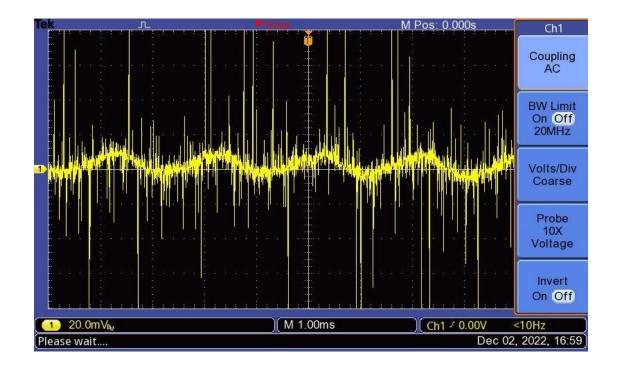
Fch=825.16 Hz

AC analysis

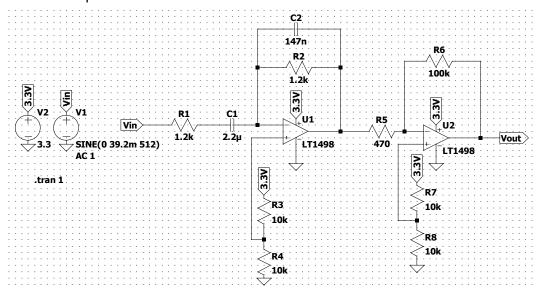


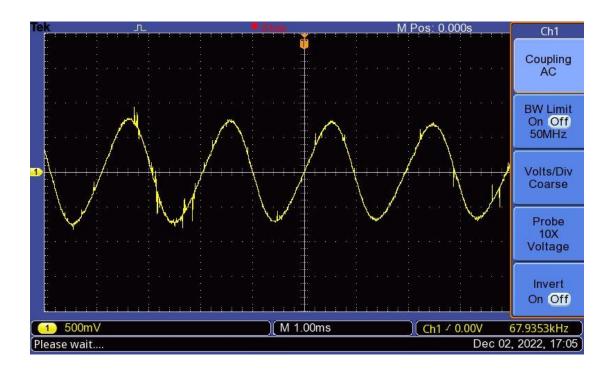
Transient analysis



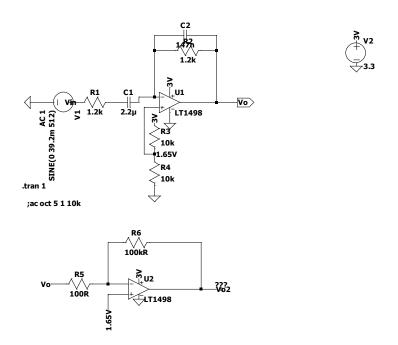


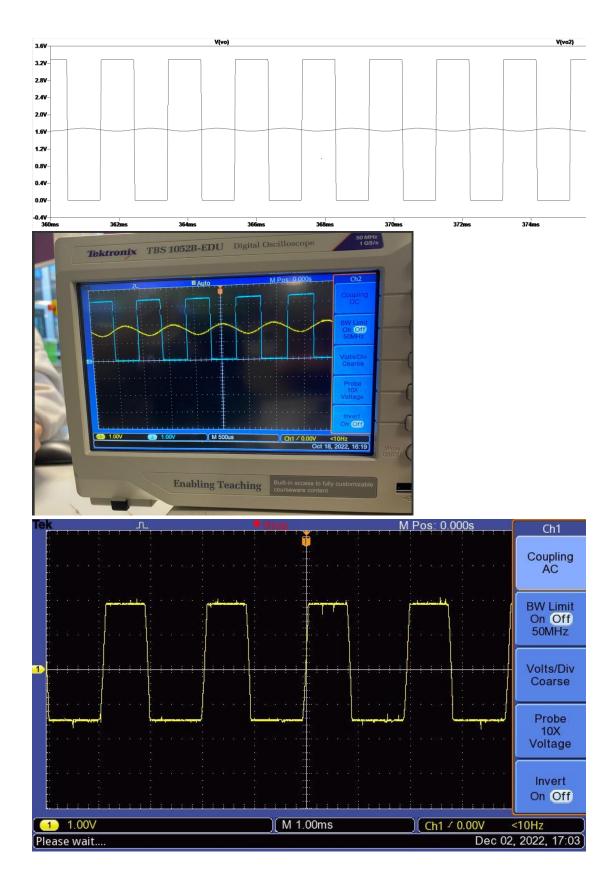
3. ADC Amplifier:



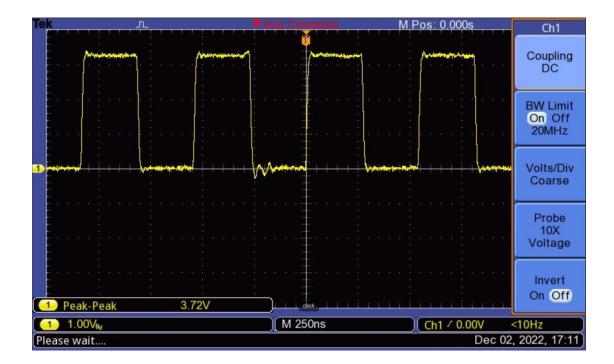


4. Comparator Amplifier

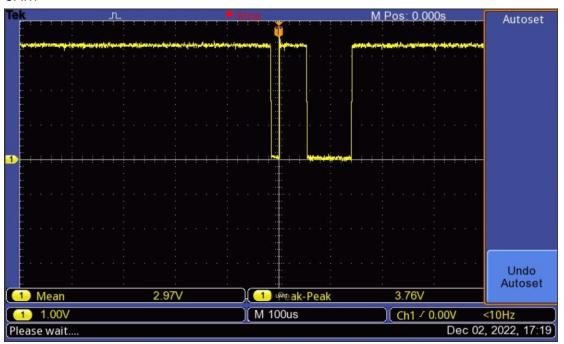




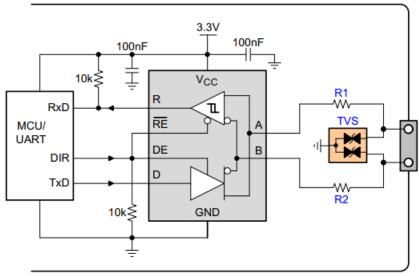
5. Clock



6. UART

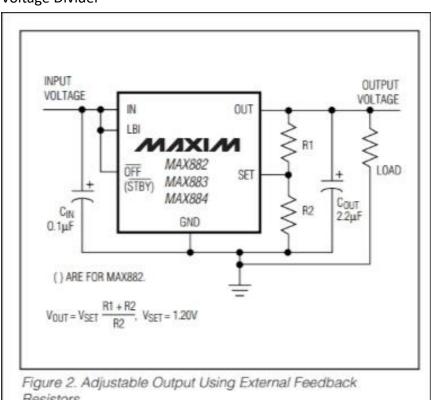


7. RS485



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8. Voltage Divider



Resistors

9. CPLD

