DAKSH AGARWAL IMT 2019 505 al I Studied different types of band pass filter for my frequency the sallen key worked best. In Sallen - koy my f3 A f5 were already below 0.75 V 50 no need for cascading. nu Vin R1 Vx
166.8K 112.4n op2 > Aplification Vout

NO Cascading needed because desired boode plot ie fy-speak for 15 below 0.75 was

Z3=Rf Z2=€ Z2=1 Z, = R, Applying KCL Ux Vin - Vx = Vx - Vbut) + Vx - Vy

21 23 22 Vin-Vx = Vx-V'out + Vx - Vout
Z1 Z3 Z2 Ux -Vout Vout
Zz Zy  $U_X = U'_{out} \left( \frac{Z_2}{Z_N} + 1 \right)$ Vin - Vout (Z2 +1)



