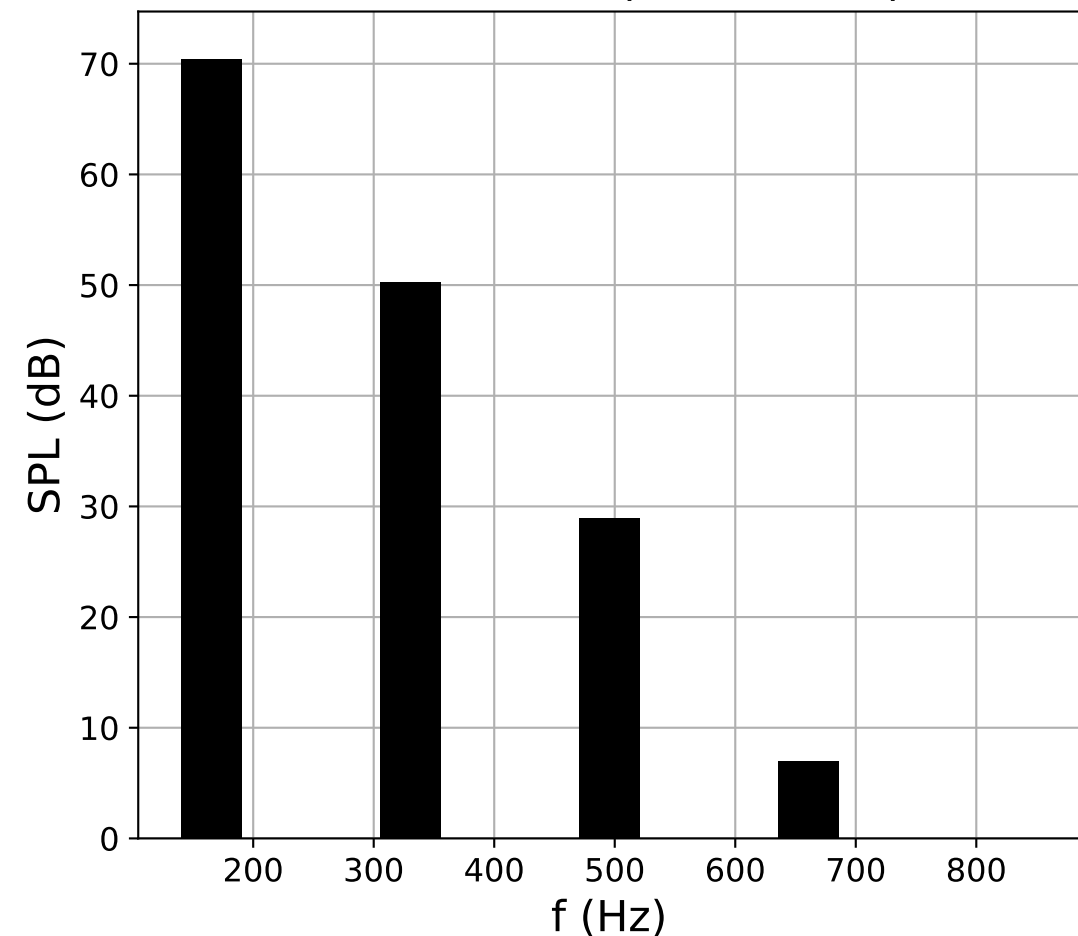
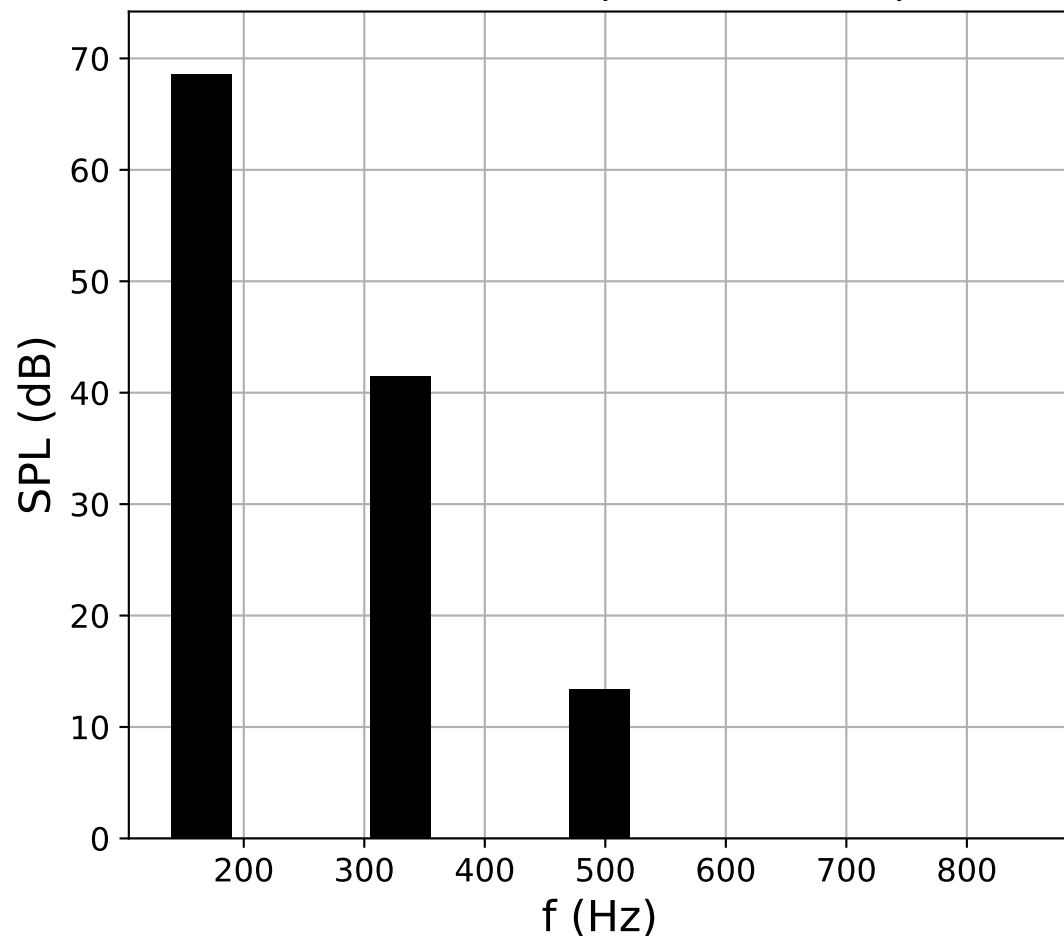


Aircraft parameters: battery energy density = 400 Wh/kg; 5 rotor blades; autonomy enabled  
Sizing mission (piloted): range = 50 nmi; 3 passengers; 120s hover time; reserve type = FAA helicopter VFR (20-minute loiter time)  
Revenue mission (piloted): range = 30 nmi; 2.0 passengers; 30s hover time; no reserve; charger power = 200 kW  
Deadhead mission (autonomous): range = 30 nmi; 0.0 passengers; 30s hover time; no reserve; deadhead ratio = 0.2

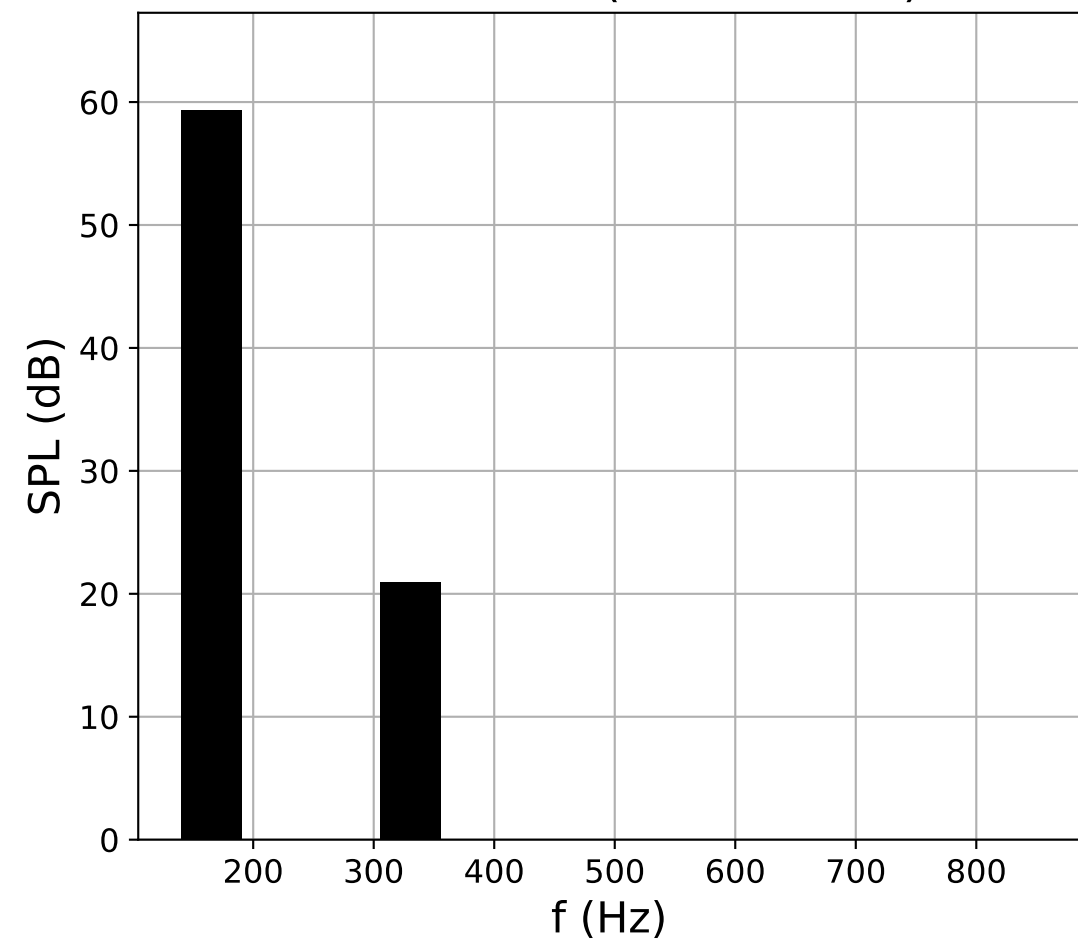
Lift + cruise ( $\Theta = 99.8^\circ$ )



Lift + cruise ( $\Theta = 121.9^\circ$ )



Lift + cruise ( $\Theta = 139.6^\circ$ )



Lift + cruise ( $\Theta = 161.7^\circ$ )

