

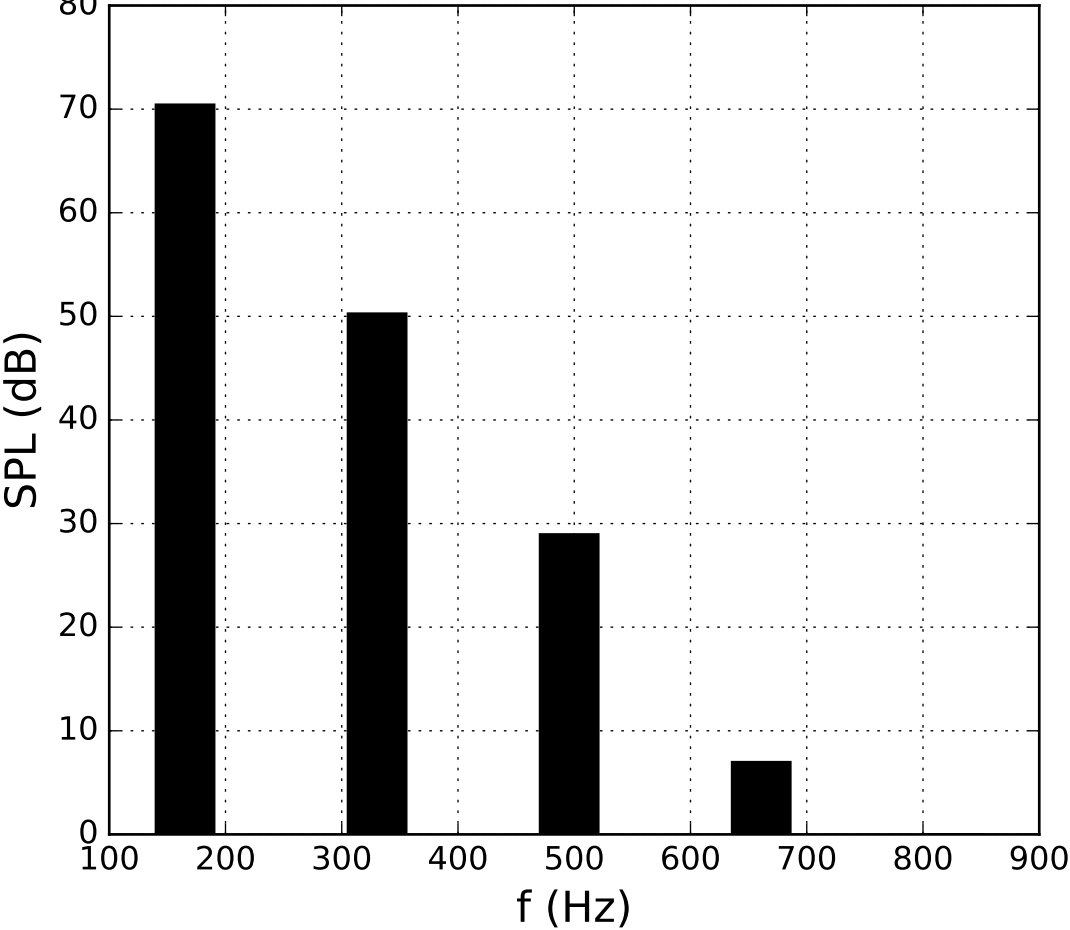
Aircraft parameters: battery energy density = 400 Wh/kg; 5 rotor blades; autonomy enabled

Sizing mission (piloted): range = 50 nm; 3 passengers; 120s hover time; reserve type = FAA helicopter VFR (20-minute loiter time)

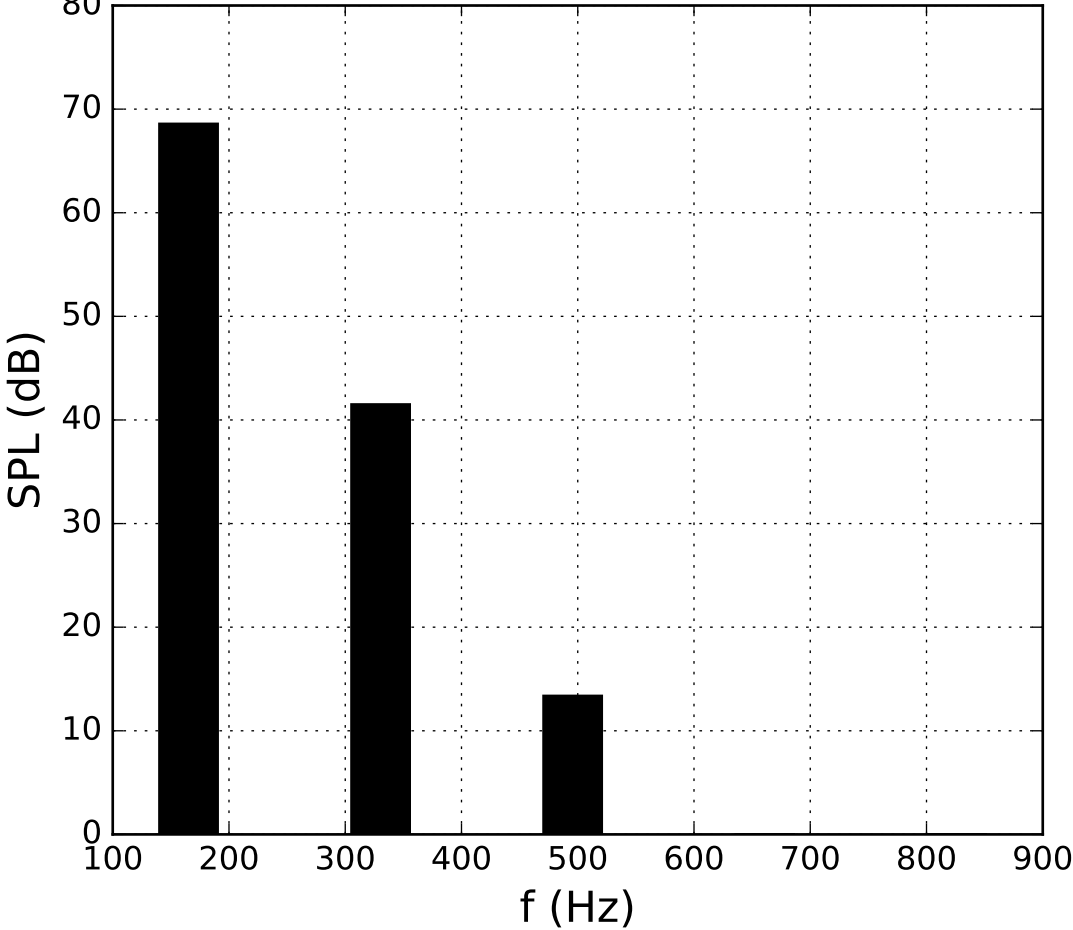
Revenue mission (piloted): range = 30 nm; 2.0 passengers; 30s hover time; no reserve; charger power = 200 kW

Deadhead mission (autonomous): range = 30 nm; 0.0 passengers; 30s hover time; no reserve; deadhead ratio = 0.2

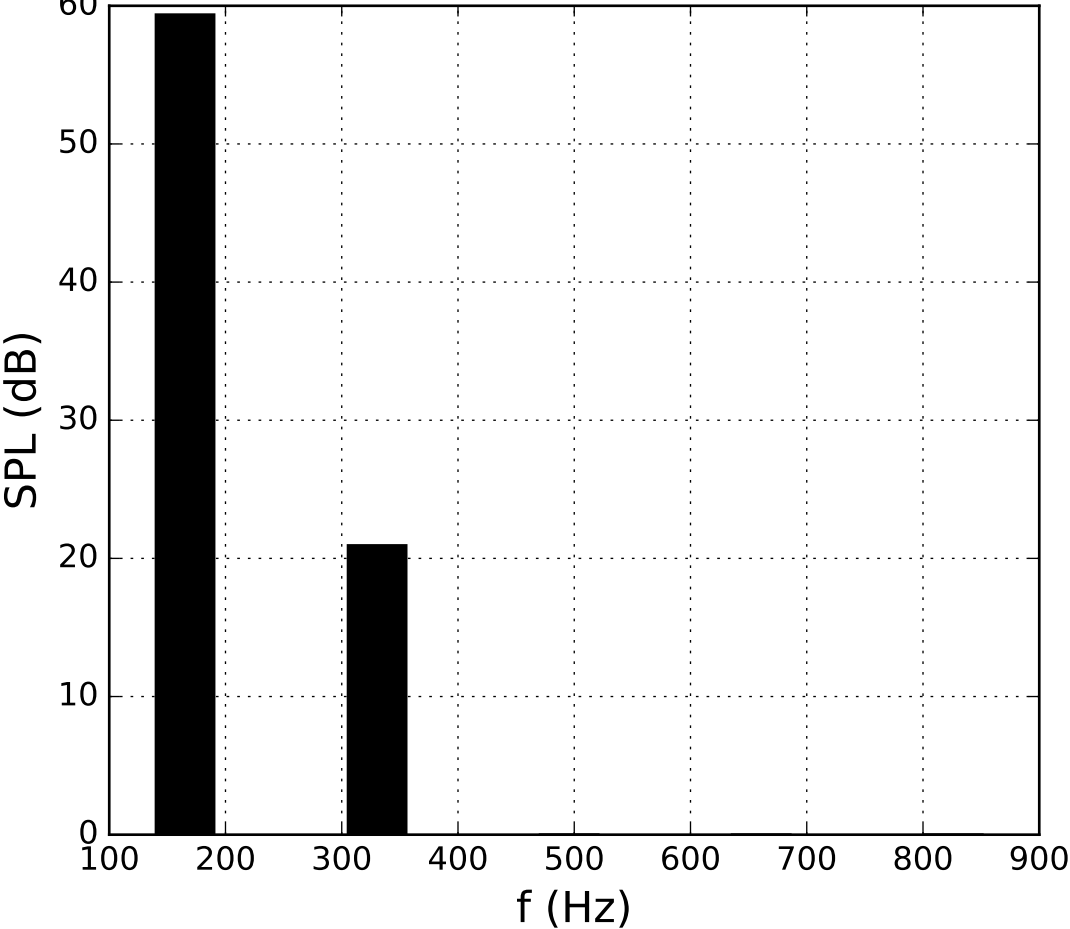
Lift + cruise ($\Theta = 99.8^\circ$)



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



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



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

