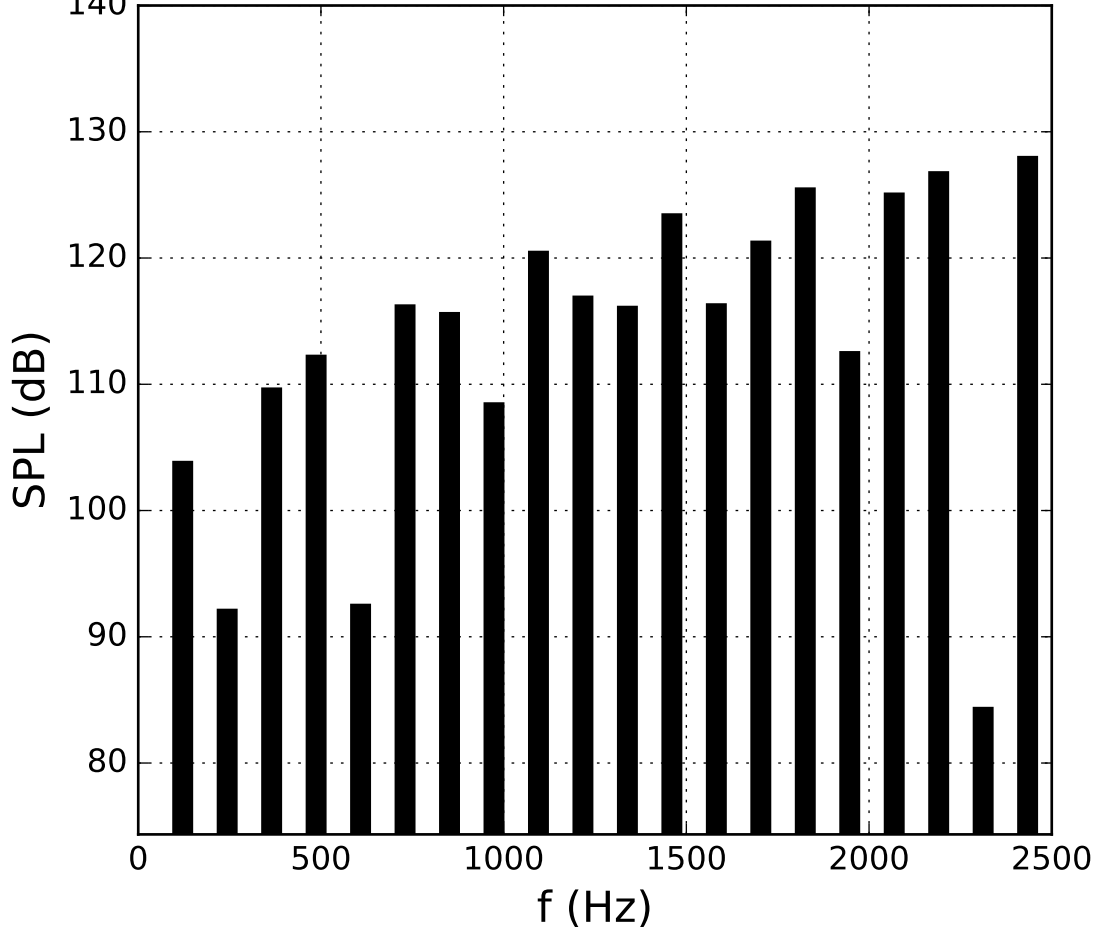
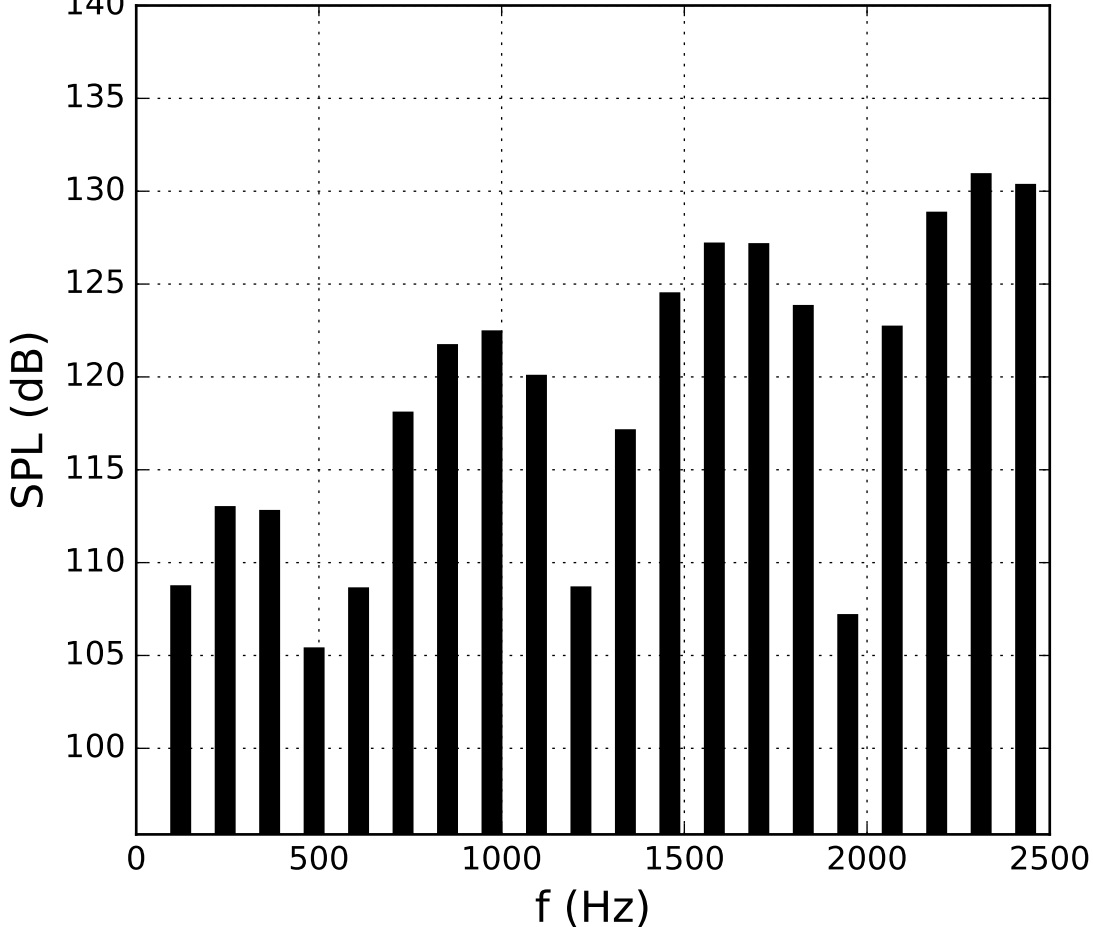


Aircraft parameters: 5 blades; structural mass fraction = 0.55; battery energy density = 400 Wh/kg; autonomy enabled
Sizing mission (piloted): range = 50 nm; 3 passengers; 120s hover time; reserve type = FAA day VFR (30-minute loiter time)
Revenue mission (piloted): range = 30 nm; 2.0 passengers; 30s 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

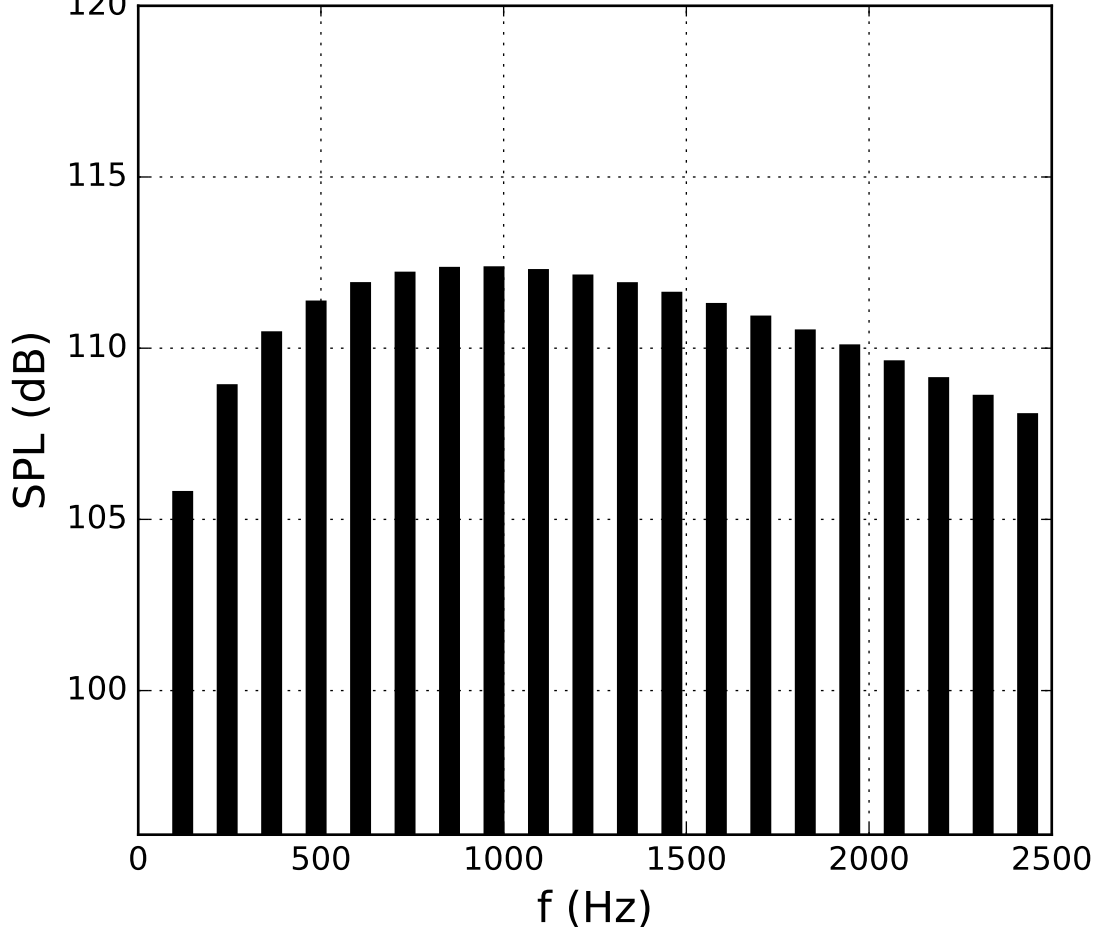
Lift + cruise ($\Theta = 99.6^\circ$)



Lift + cruise ($\Theta = 120.1^\circ$)



Lift + cruise ($\Theta = 140.7^\circ$)



Lift + cruise ($\Theta = 159.6^\circ$)

