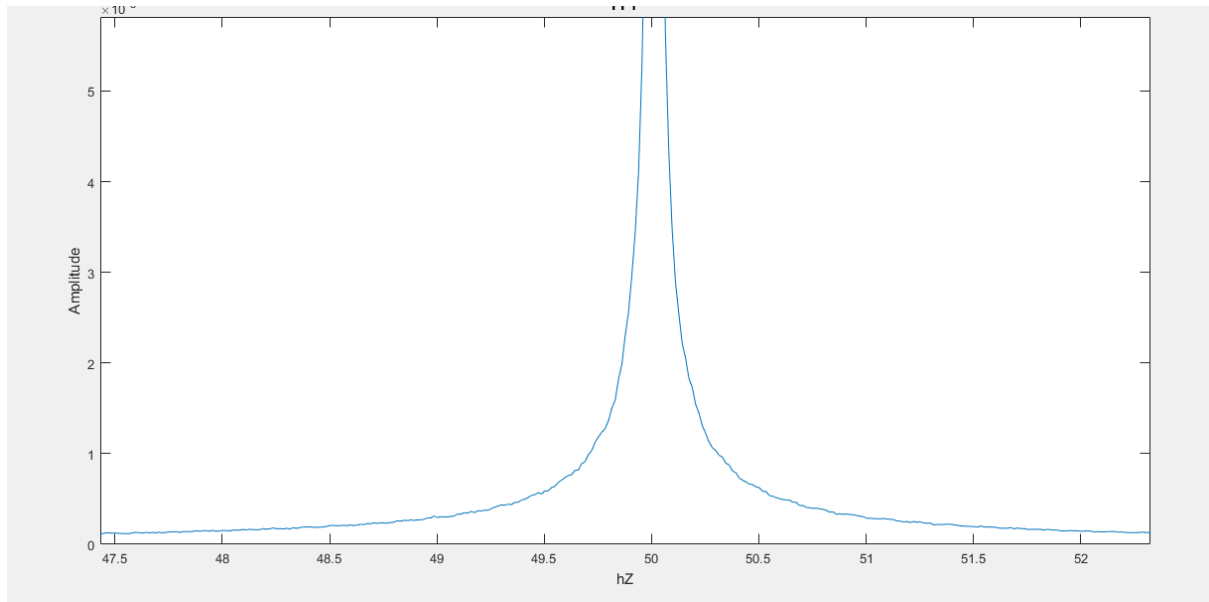
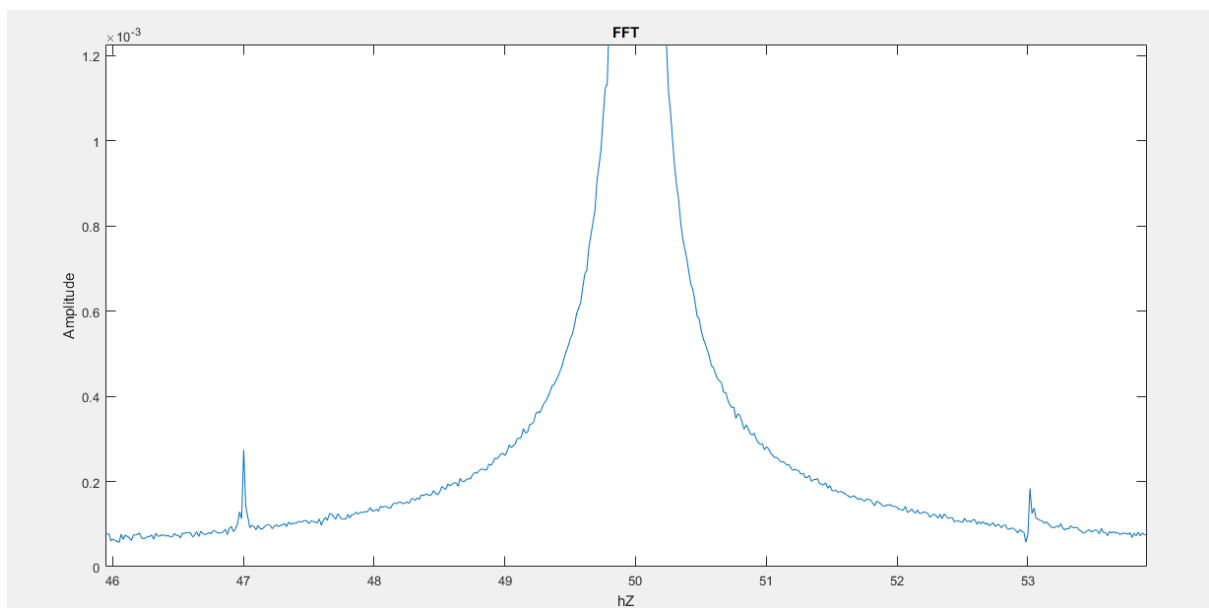


Healthy Rotor Bar

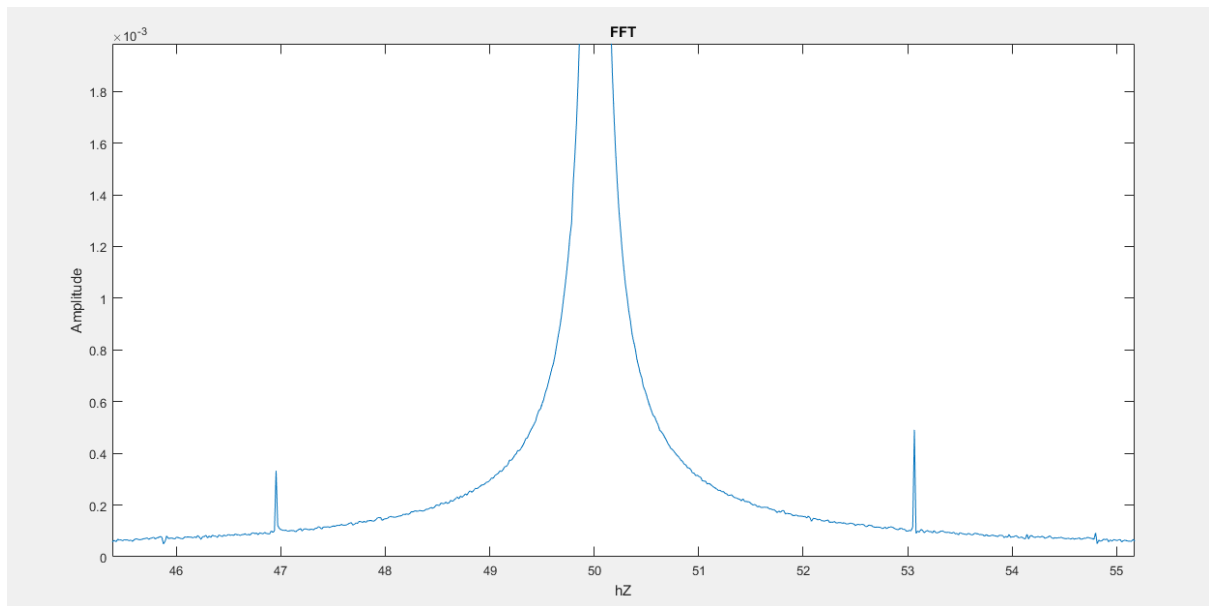
$f_s = 50\text{Hz}$, $f_r = 48.5\text{Hz}$, $s=3\%$



Defect in 1 rotor bar



Defect in 2 Rotor bar



Defect in 3 rotor bar, $f_s = 50\text{Hz}$, $f_r = 48.5\text{Hz}$, $f_b = (1 + 2s)f_s = 53\text{Hz}$ or $f_b = (1 - 2s)f_s = 47\text{Hz}$, $s = 0.03$,

