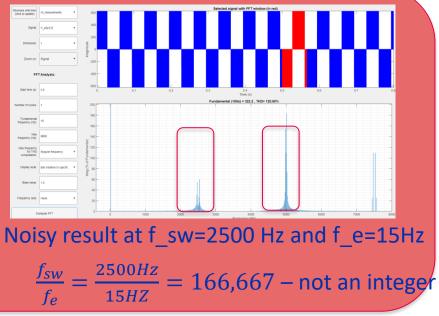
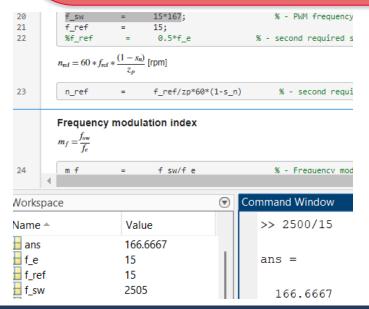


You may face to this problem of inaccurate frequencies in FFT analysis, and the harmonics could not be clearly seen because of some subharmonics noise





To fix that you need to calculate the closest switching frequency which will be integer multiple of your fundamental frequency of rated speed f_e or second reference speed f_ref depending on the Lab 6 task

$$\frac{f_{SW}}{f_e} = \frac{2505Hz}{15Hz} = 167$$

$$-f_{SW} \text{ is an integer multiple of } f_e$$

