

ECE6604 Personal & Mobile Communications
Assignment #5

Date Assigned: March 10, 2009

Date Due: March 24, 2009

1) Text problem 4.3

2) Text problem 4.7

Note that the instantaneous frequency deviation from the carrier is

$$f_{\text{dev}}(t) = \frac{1}{2\pi} \frac{d\phi(t)}{dt} = h \sum_n x_n h_f(t - nT)$$

3) Text problem 4.13

4) Text problem 4.18