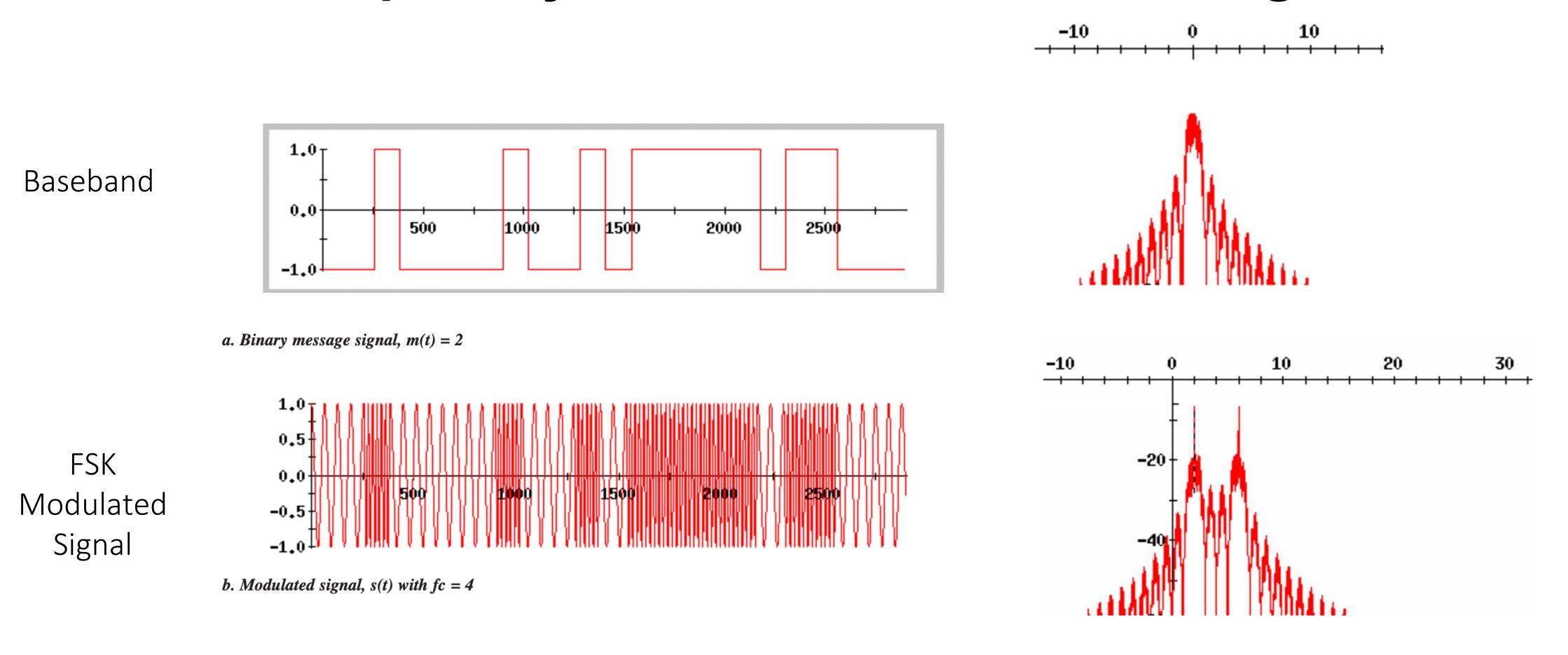
Frequency and Bandwidth of a Signal



Carrier (central) frequency = 4

Figure 9- Spectrum of the modulated signal, Dof is equal 2. Note the two impulses at frequencies 2 and 6 Hz.

http://complextoreal.com/wp-content/uploads/2013/01/fm.pdf

Note: Different modulation techniques will require different bandwidths for the same data rate.