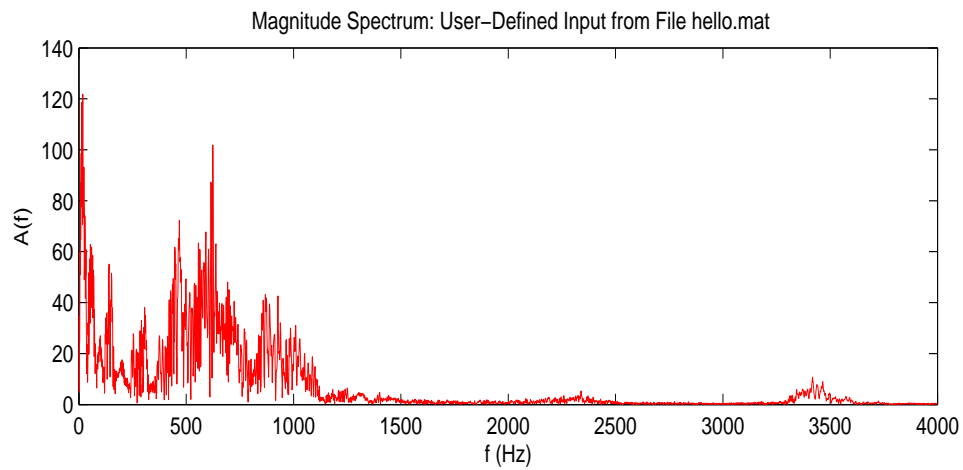


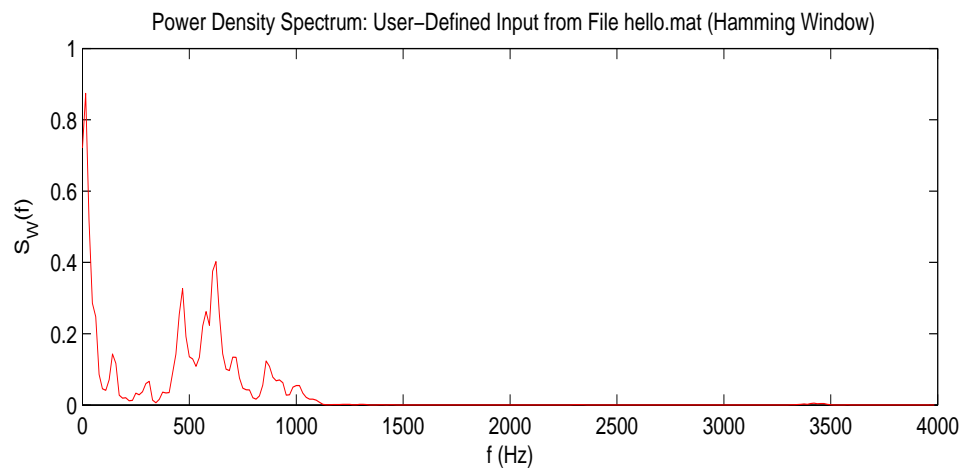
3.21 Using the GUI module *g_spectra* record the word HELLO. Play it back to make sure it is recorded properly. Save it in a MAT-file called *hello.mat*. Then reload it as a user-defined input. Plot the following spectral characteristics.

- (a) Magnitude spectrum
- (b) Power density spectrum (Hamming window)
- (c) Spectrogram

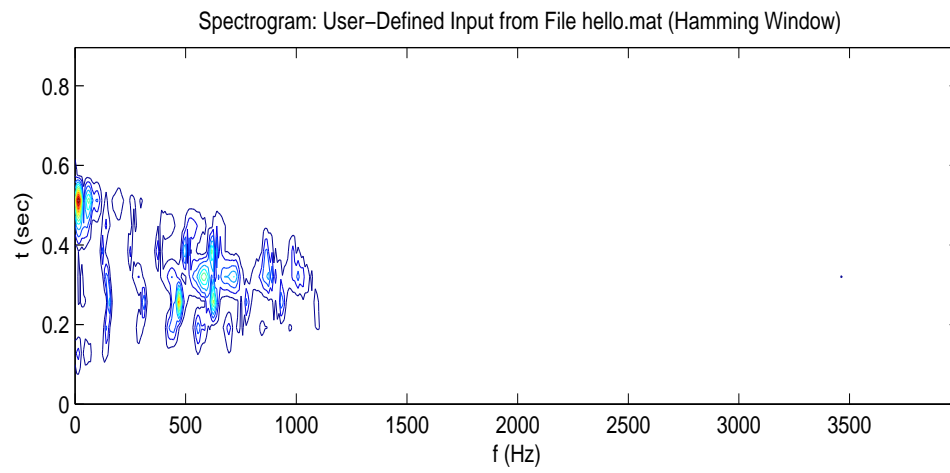
Solution



(a)



(b)



(c)