HT = wlanHTConfig

HT.PSDULength=16

numPkts = 2;

scramInit = randi([1 127],numPkts,1);

txWaveform = wlanWaveformGenerator([1;0;0;1],HT,'NumPackets',numPkts,'IdleTime',30e-5,'ScramblerInitialization',scramInit);

time = [0:length(txWaveform)-1]/20e-6;

plot(time,abs(txWaveform))

xlabel ('Time (microseconds)');

ylabel('Amplitude');

[B,T,F] = tfrwv(txWaveform, 1:length(txWaveform), length(txWaveform), 1);

imagesc(T, (F+2.407):0.005:(F+2.447), abs(B));

colormap(hot);

xlabel('t [s]');

ylabel('f [Hz]');

spectrogram(txWaveform,kaiser(256,5),220,512,fs,'yaxis')