


```
figure;  
  
subplot(3,1,1);  
spectrogram(sig1,1024,512);  
title('Carrier');  
  
subplot(3,1,2);  
spectrogram(sig2,1024,512);  
title('modulator');  
  
subplot(3,1,3);  
spectrogram(S_synth,1024,512);  
title('Output');
```