

EE/CpE 415/423 – 416/424  
2002 Fall – 2003 Spring  
WEEKLY STATUS REPORT

Group No.: 15

Date: March 10, 2003

Report No.: 8

Project Title: Real-time Wireless Sensor Network – Signal Analysis for Security Applications

Group Leader: Mark Woolley

Advisor: Prof. Tureli

Sponsor/Client:

Number of Hours Spent on Project by Group in Past Week: 30

Project on Schedule: YES

This week we found out that our receiver wont be delivered until the 10<sup>th</sup>. So we haven't been thinking about this part of our project yet. We have been focusing on our matlab code for our waveform that will be sent. We have a basic carrier waveform that has been XORed with a random data bit to produce a waveform that will spread the spectrum. We are working then on sending this waveform through a raised cosine filter. We also were able to send a basic sine wave through our transmitter without any noise.