CSSE490 Advanced Wireless Networking

Encode/Decode Lab Questionnaire

Group Number: _____ Name:_____

Task:

- 1. Implement two code schemes: 1) Repetitive and 2) Convolutional.
- 2. Encode the provided file and send the file via USRP.
 - Blocks you need: Packet Encoder/Decoder, GFSK Mod/Demod
- 3. Decode the file as the receiver and compare the performance of the two code schemes.

Questions:

1. Draw a table to reflect the bit error rate of using the two different code schemes.

2. Summarize the advantages and disadvantages of the two methods.

3. List the problems you encountered and how you solved them.