LAB REPORT- 3

SUBJECT:-ESE-3014

GROUP - 5

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Task

1. Simulate Code Division multiplexing to achieve multiple access in a shared medium.

2. Follow the process on today’s course, you can use our Walsh matrix. Create three data sequences for three users, encode and decode with the code you chose for all of them from matrix. You don’t have to use pn sequence, m sequence, and gold sequence.

line1= [1 1 1 1 1 1 1 1]

line2 =[1 1 -1 -1 1 1 -1 -1]

line3=[1 -1 1 -1 1 1 -1 -1]

linercv=[1 1 1 1 -1 -1 -1 -1]

user1 =[0 1 1 0 1 0 0 0]

user2 = [0 1 1 0 1 0 0 1]

user3 = [1 0 1 0 1 0 1 0]

code1= line1.\*user1

code2= line2.\*user3

code3= line3.\*user3

s1=code1+code2+code3

d1=s1.\*line1

d2=sum(d1,2)

output:

