

Lab 4: Acoustic Emanation Attacks

Accuracy Test Results:

```
Test a-test.wav: First: 5 Second: 2 Third: 0
Test b-test.wav: First: 5 Second: 2 Third: 0
Test c-test.wav: First: 6 Second: 0 Third: 0
Test d-test.wav: First: 4 Second: 4 Third: 0
Test e-test.wav: First: 2 Second: 3 Third: 2
Test f-test.wav: First: 3 Second: 1 Third: 0
Test g-test.wav: First: 0 Second: 5 Third: 1
Test h-test.wav: First: 1 Second: 1 Third: 1
Test i-test.wav: First: 0 Second: 0 Third: 0
Test j-test.wav: First: 7 Second: 1 Third: 0
Test k-test.wav: First: 6 Second: 2 Third: 0
Test l-test.wav: First: 8 Second: 0 Third: 0
Test m-test.wav: First: 6 Second: 0 Third: 0
Test n-test.wav: First: 8 Second: 0 Third: 0
Test o-test.wav: First: 4 Second: 3 Third: 0
Test p-test.wav: First: 4 Second: 2 Third: 1
Test q-test.wav: First: 7 Second: 0 Third: 1
Test r-test.wav: First: 4 Second: 2 Third: 0
Test s-test.wav: First: 6 Second: 1 Third: 1
Test t-test.wav: First: 8 Second: 0 Third: 0
Test u-test.wav: First: 8 Second: 0 Third: 0
Test v-test.wav: First: 4 Second: 3 Third: 0
Test w-test.wav: First: 3 Second: 3 Third: 2
Test x-test.wav: First: 7 Second: 0 Third: 0
Test y-test.wav: First: 6 Second: 1 Third: 0
Test z-test.wav: First: 6 Second: 1 Third: 0
```

Recovered Secret:

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/Users/aryanmehrotra/Desktop/College/Masters/Fall_2023/EECE5699/Labs/Lab 4/lab4-a-mehrotra/handout/data/secret0.wav
first letter choice: uawsword
second letter choice: ptkaaaksu
third letter choice: qssdspxs

/Users/aryanmehrotra/Desktop/College/Masters/Fall_2023/EECE5699/Labs/Lab 4/lab4-a-mehrotra/handout/data/secret1.wav
first letter choice: roodroot
second letter choice: dipfjyiy
third letter choice: euxtpuuf

/Users/aryanmehrotra/Desktop/College/Masters/Fall_2023/EECE5699/Labs/Lab 4/lab4-a-mehrotra/handout/data/secret2.wav
first letter choice: weadasar
second letter choice: srtrdesx
third letter choice: qfqfwdvd
```

Recovered result of secret0.wav: password