**Hanning Window MFCC + (Energy Threshold + Signal)**

**SoftMax:**

Validation [loss, accuracy] is [2.2692308859391646, 0.4545454437082464]

Test [loss, accuracy] is [2.236384208385761, 0.6153846085071564]

**Tanh:**

Validation [loss, accuracy] is [6.028716412457553, 0.4090909145095132]

Test [loss, accuracy] is [8.42761780665471, 0.5384615476314838]

**ReLu**

Validation [loss, accuracy] is [nan, 0.49999998916279187]

Test [loss, accuracy] is [nan, 0.6153846085071564]

**Hanning Window MFCC**

**ReLu**

Validation [loss, accuracy] is [nan, 0.5909091125835072]

Test [loss, accuracy] is [nan, 0.46153847070840687]

Validation [loss, accuracy] is [nan, 0.45454545454545453]

Test [loss, accuracy] is [nan, 0.6923076877227197]

**SoftMax**

Validation [loss, accuracy] is [1.8900228630412708, 0.5909091125835072]

Test [loss, accuracy] is [1.8931491374969482, 0.46153847070840687]

**Tanh**

Validation [loss, accuracy] is [nan, 0.5909091125835072]

Test [loss, accuracy] is [nan, 0.46153847070840687]

**Formants**

**ReLu**

Validation [loss, accuracy] is [nan, 0.6363636255264282]

Test [loss, accuracy] is [nan, 0.6153846383094788]

**SoftMax**

Validation [loss, accuracy] is [2.346334544095126, 0.6363636255264282]

Test [loss, accuracy] is [2.3378802079420824, 0.6923076877227197]

**Formant + MFCC**

**Sigmoid**

Validation [loss, accuracy] is [2.499856320294467, 0.5]

Test [loss, accuracy] is [2.489378268902118, 0.7692307829856873]

Validation [loss, accuracy] is [2.6372651403600518, 0.3636363582177596]

Test [loss, accuracy] is [2.596534325526311, 0.5384615476314838]