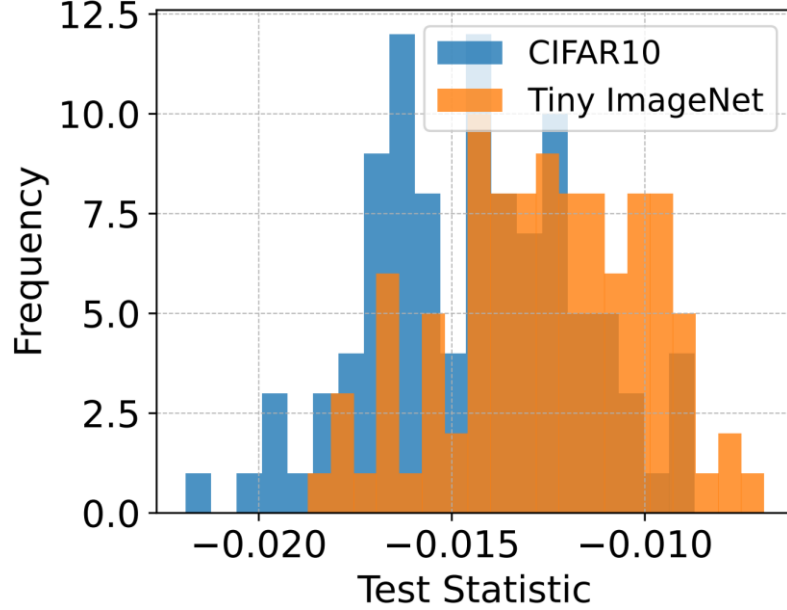
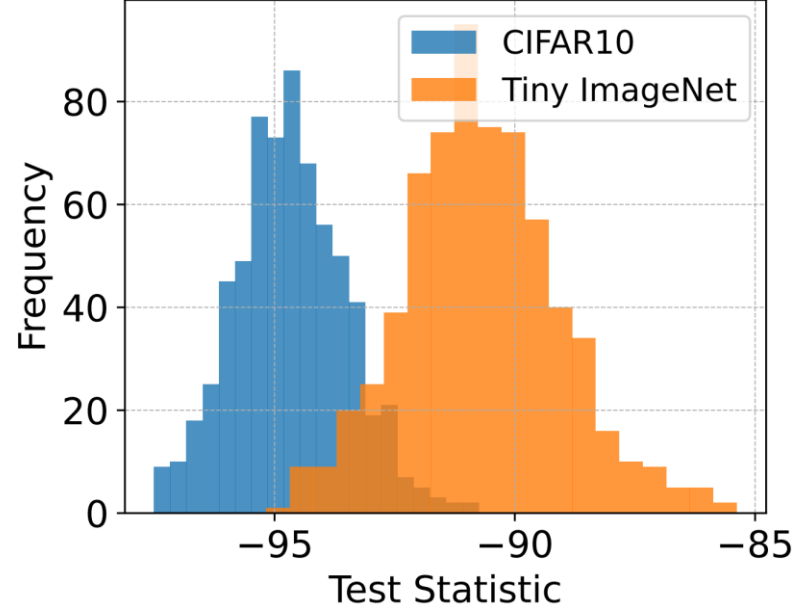


**(a) ROC**



**(b)  $n = 1$**



**(b)  $n = 15$**