Pseudo-ROC plots, GLRT-based method operating on downsampled data using true values of \( \{\alpha_i\} \)

Pseudo-ROC plots, Proposed method with \( \Phi \) chosen to be a random Gaussian projection matrix using true values of \( \{\alpha_i\} \)

Pseudo-ROC plots, Proposed method where \( \Phi \) is designed according to (24) using true values of \( \{\alpha_i\} \)

Pseudo-ROC plots, Proposed method where \( \Phi \) is designed according to (24) using ML estimates of \( \{\alpha_i\} \)

ROC plots, GLRT-based method operating on downsampled data using true values of \( \{\alpha_i\} \)

ROC plots, Proposed method with \( \Phi \) chosen to be a random Gaussian projection matrix using true values of \( \{\alpha_i\} \)

ROC plots, Proposed method where \( \Phi \) is designed according to (24) using true values of \( \{\alpha_i\} \)

ROC plots, Proposed method where \( \Phi \) is designed according to (24) using ML estimates of \( \{\alpha_i\} \)