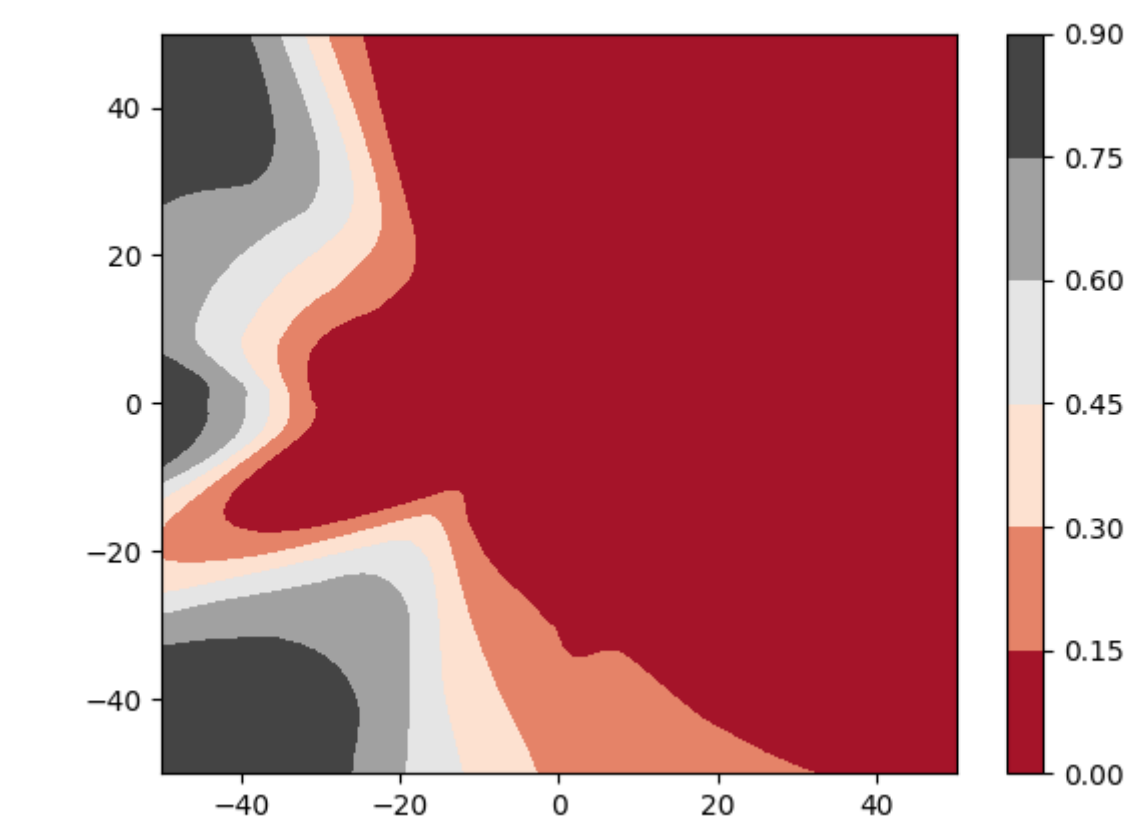


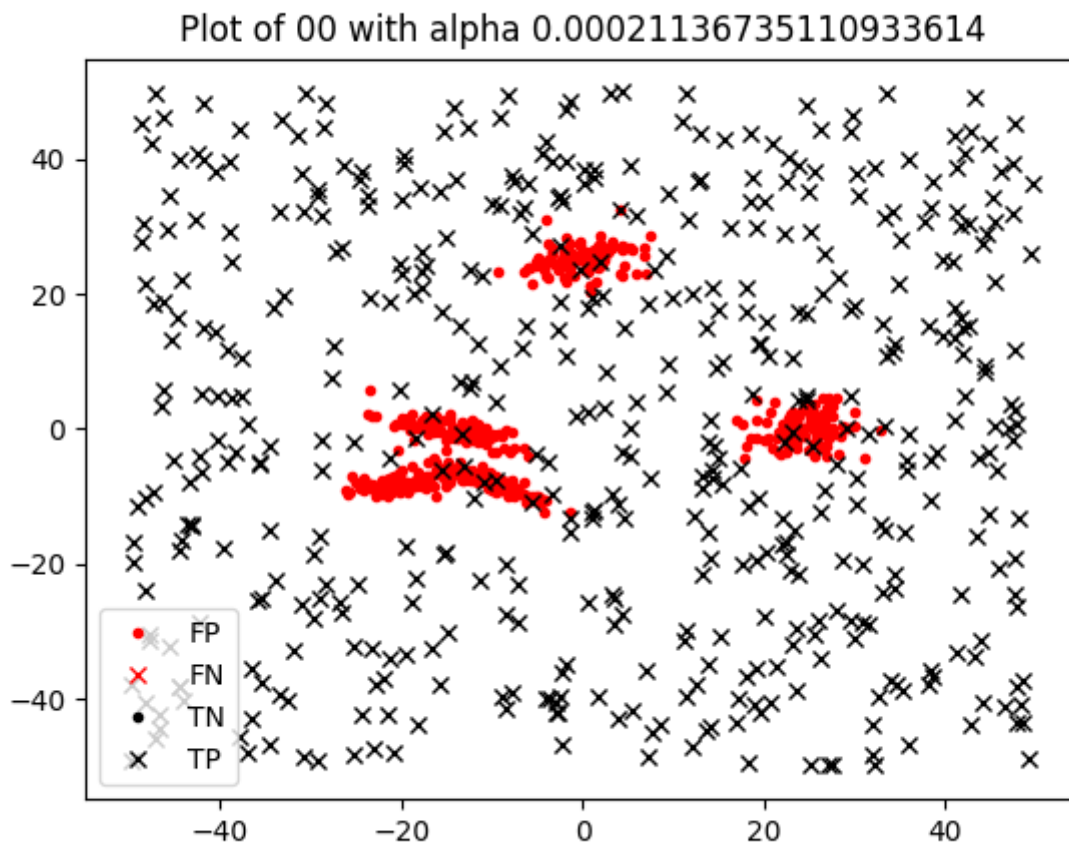
SVAE

Test result on unseen data:

Average accuracy: 0.5934400000000001
Balanced acc: 0.59344
Average specificity: 1.0
Average sensitivity (Detection rate): 0.18688000000000002
Average loss: nan
Average False Alarm: 0.81312
Average F1: 0.3149096791588029
Average cm:

	True 0	True 1
Predicted 0	500.0	406.55999999999995
Predicted 1	0.0	93.44





VAE Reconstruction probability

Test result on unseen data:

Average accuracy: 0.61136

Balanced acc: 0.61136

Average specificity: 0.31744

Average sensitivity (Detection rate): 0.90528

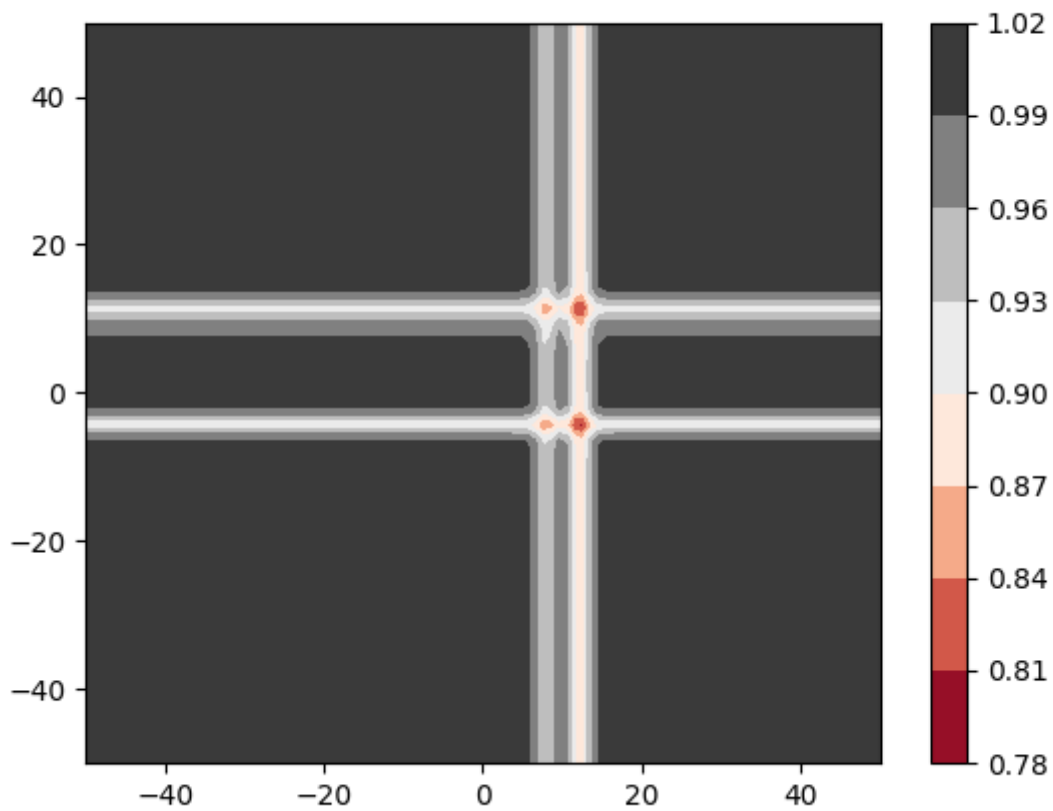
Average loss: nan

Average False Alarm: 0.09471999999999998

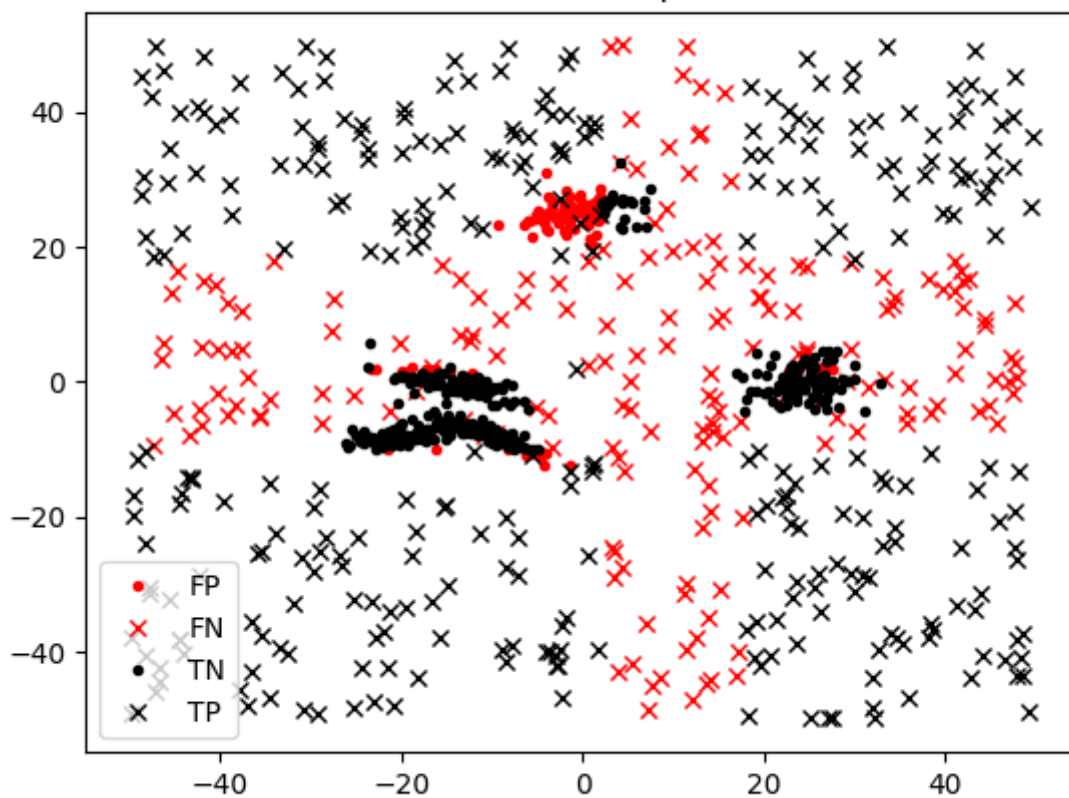
Average F1: 0.6996413997774206

Average cm:

	True 0	True 1
Predicted 0	158.72	47.36
Predicted 1	341.28000000000003	452.64000000000004



Plot of 01 with alpha 1.0

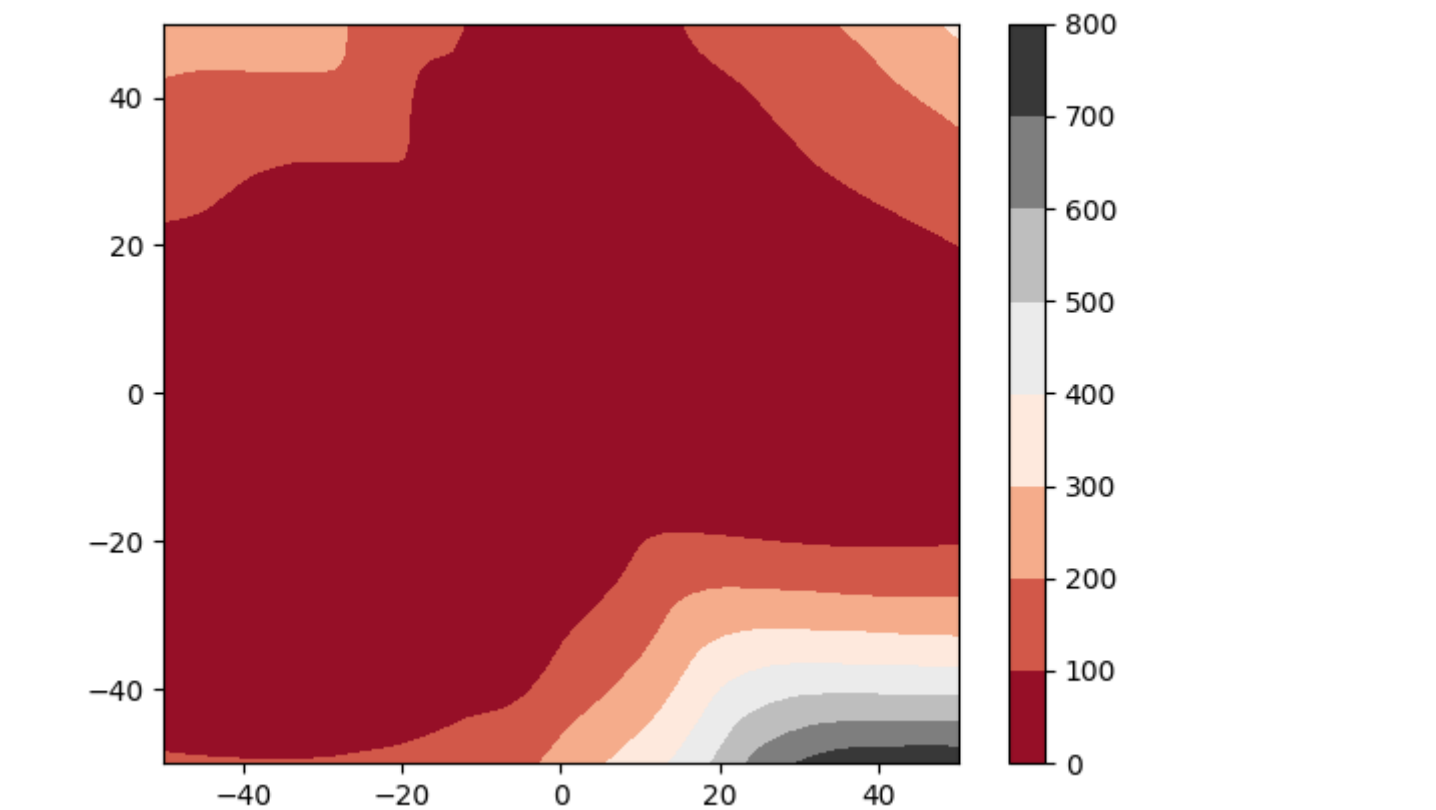


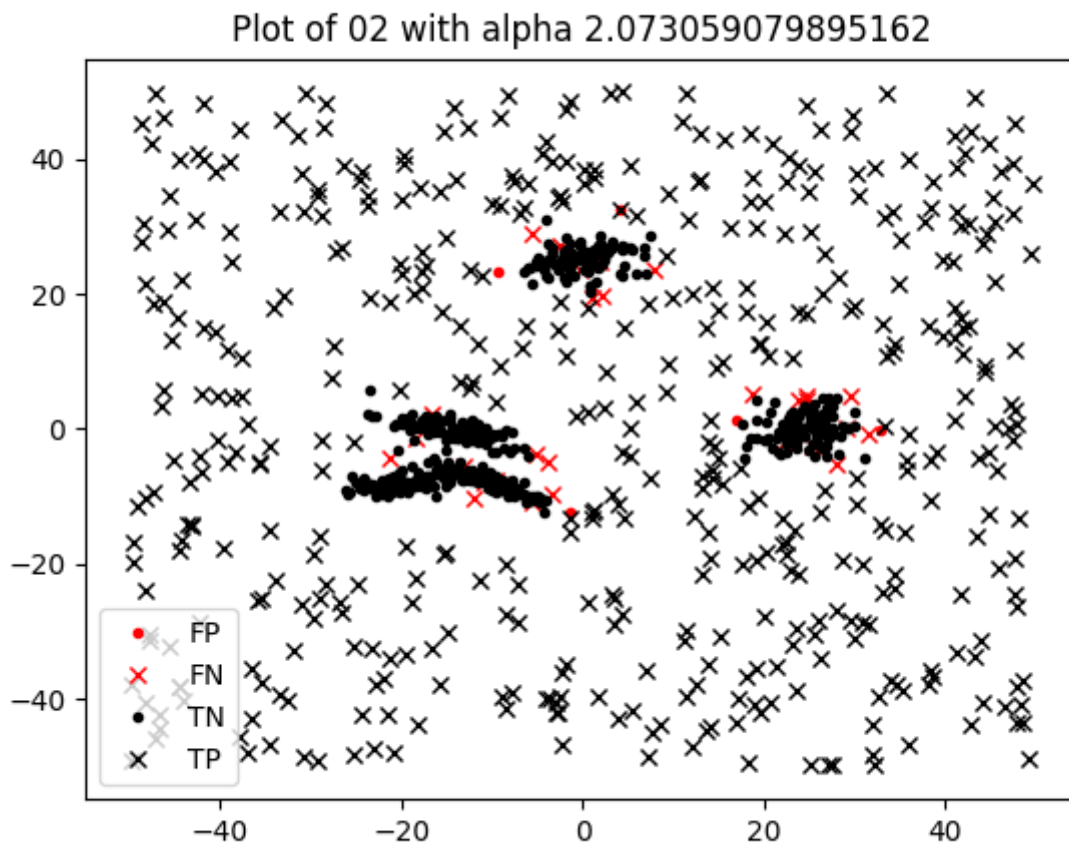
VAE Reconstruction error

Test result on unseen data:

Average accuracy: 0.8856
Balanced acc: 0.8855999999999999
Average specificity: 0.8820399999999999
Average sensitivity (Detection rate): 0.88916
Average loss: nan
Average False Alarm: 0.11084
Average F1: 0.8860058192833513
Average cm:

	True 0	True 1
Predicted 0	441.02	55.42
Predicted 1	58.980000000000004	444.58000000000004





VAE with Vampprior

Test result on unseen data:

Average accuracy: 0.7980999999999999

Balanced acc: 0.7980999999999999

Average specificity: 0.7095199999999999

Average sensitivity (Detection rate): 0.8866799999999999

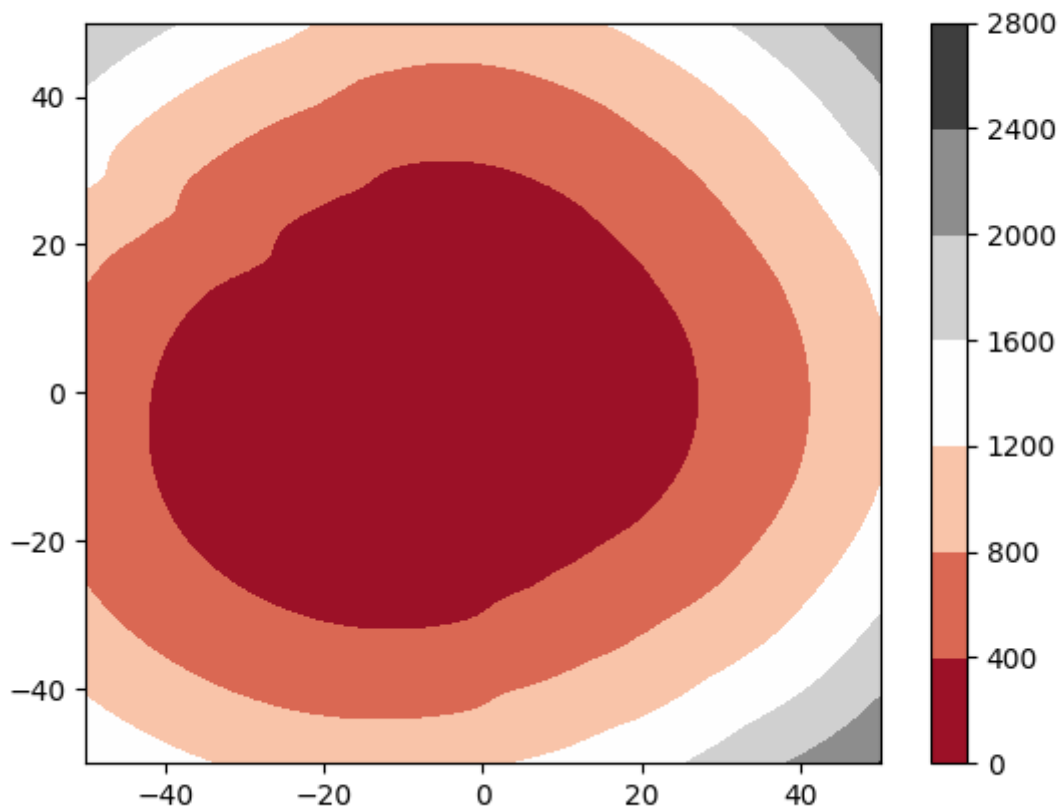
Average loss: nan

Average False Alarm: 0.11332

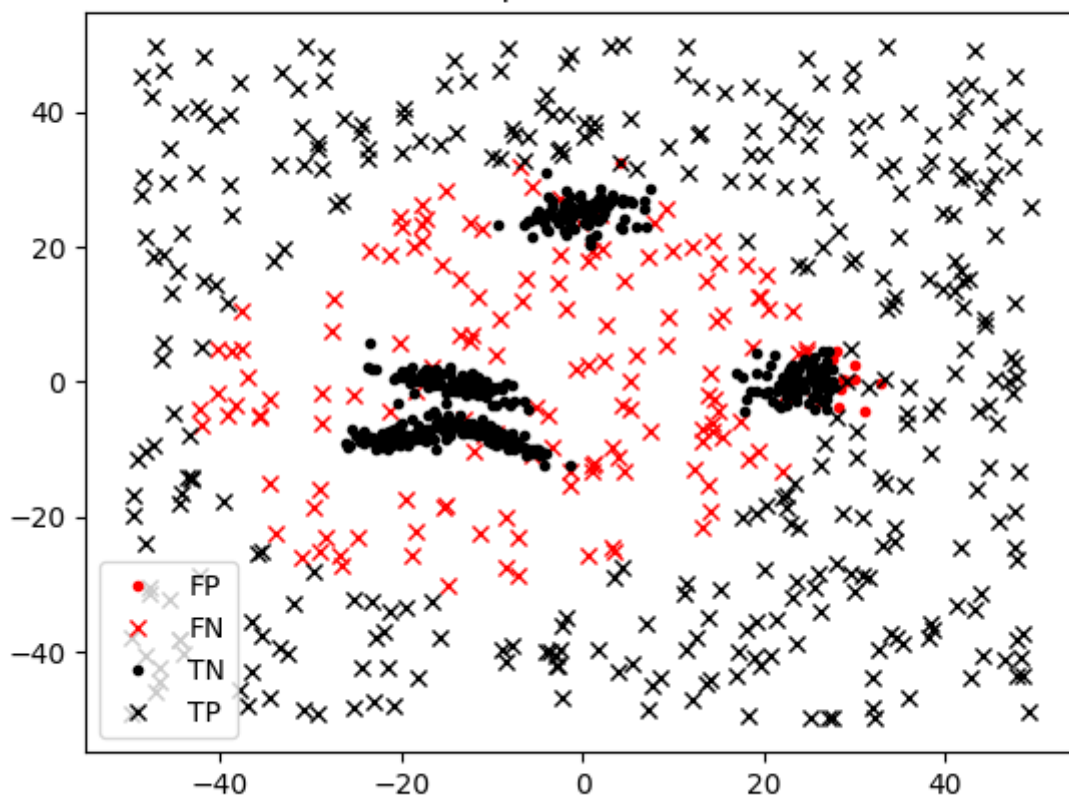
Average F1: 0.8145290194565398

Average cm:

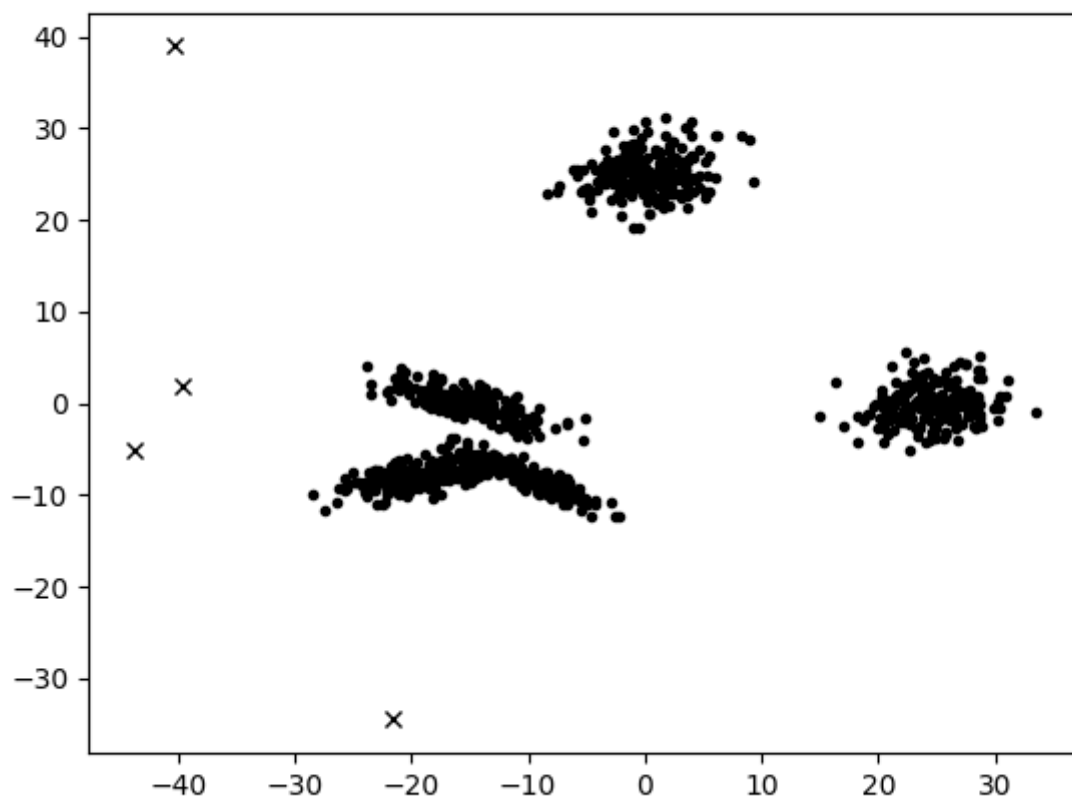
	True 0	True 1
Predicted 0	354.76	56.660000000000004
Predicted 1	145.23999999999998	443.34



Plot of 03 with alpha 413.80541789677073



Training set



ROC

