Отчёт по восстановлению сигналов с использованием Autoencoder

Всего сигналов: 51

Средний MSE: 0.143012

Средний SSIM: 0.7157

Аномалий обнаружено: 2
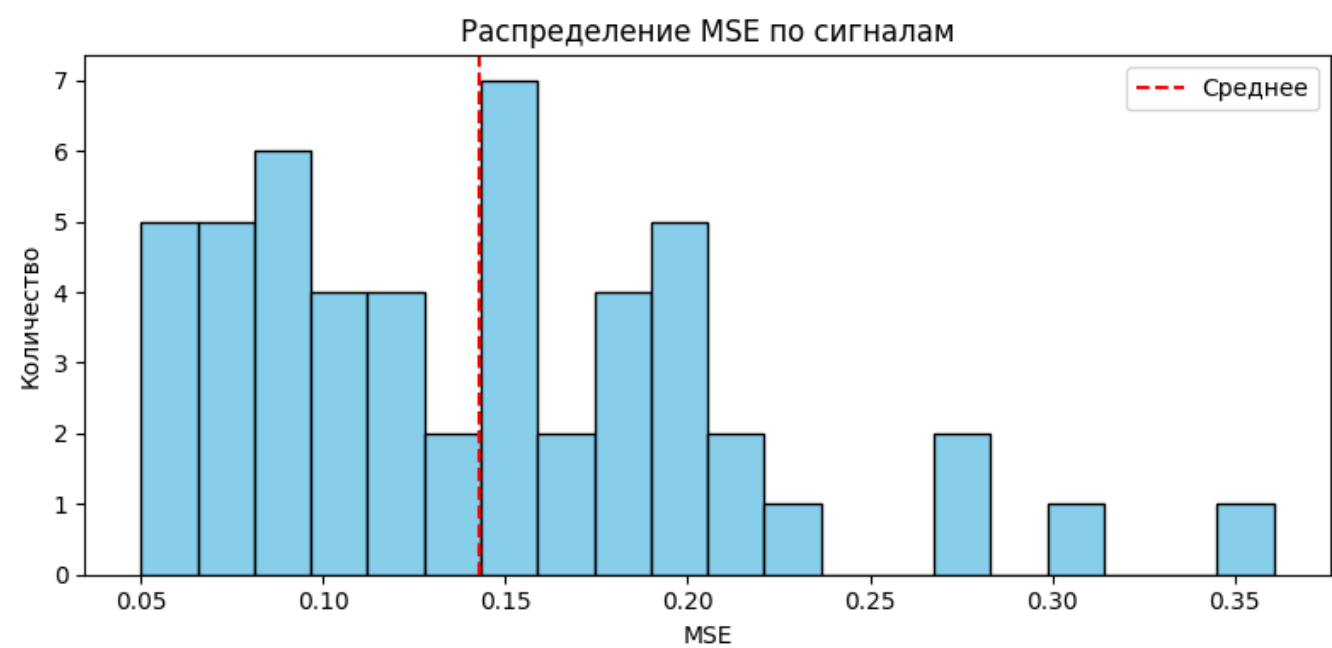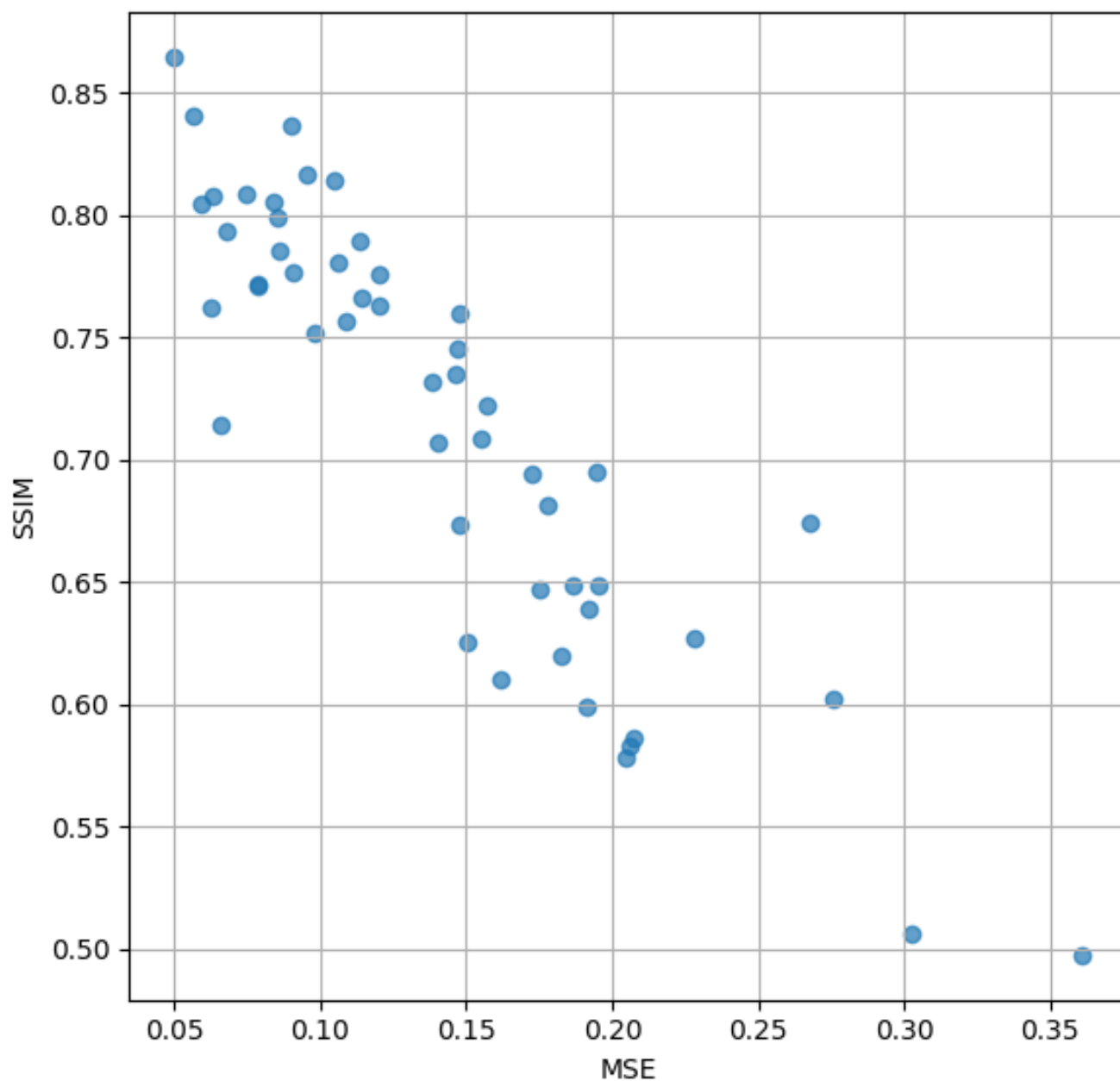
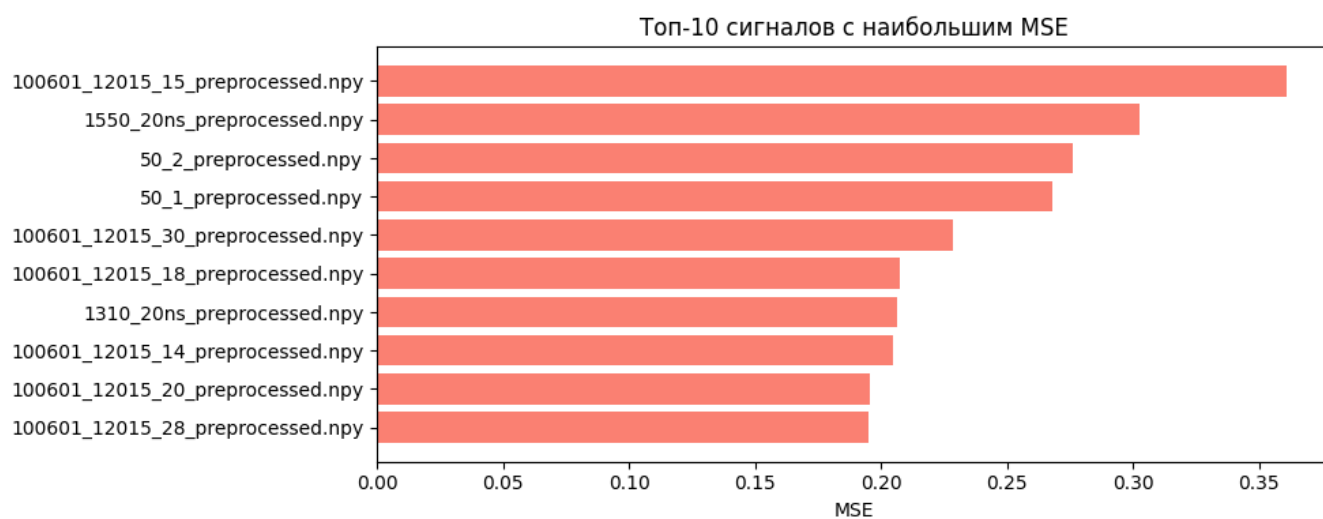Гистограмма распределения MSE

Распределение MSE по сигналам

Диаграмма рассеяния: MSE vs SSIM

MSE vs SSIM

Топ-10 сигналов по MSE

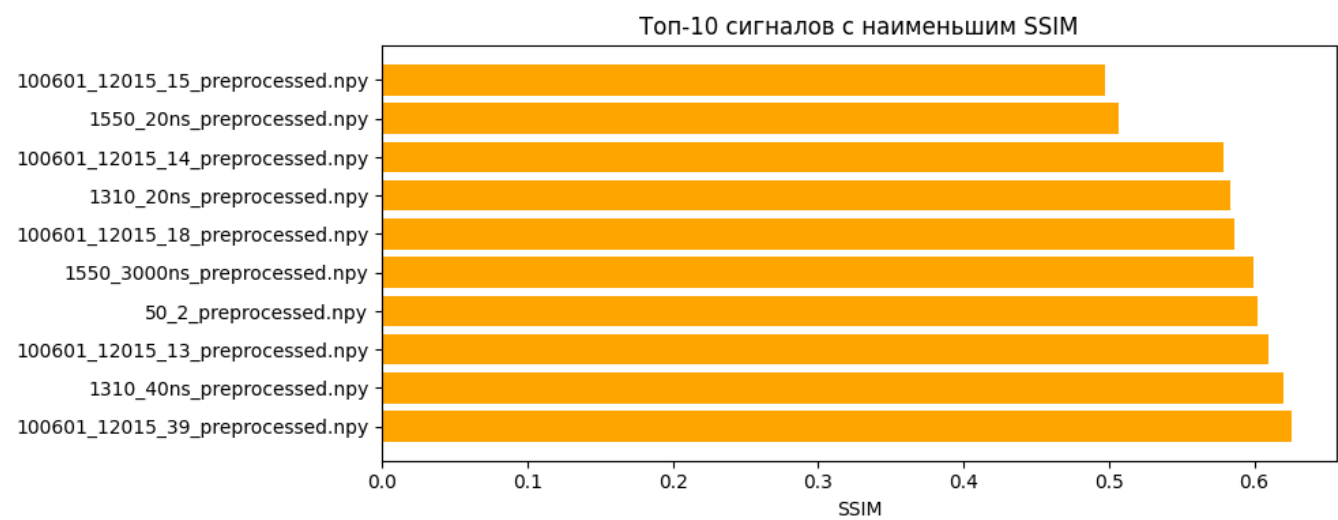Топ-10 сигналов с наибольшим MSE

Топ-10 сигналов по наименьшему SSIM

Топ-10 сигналов с наименьшим SSIM

Топ-аномалии по MSE

100601_12015_15_preprocessed.npy — MSE: 0.360708, SSIM: 0.4977

1550_20ns_preprocessed.npy — MSE: 0.302311, SSIM: 0.5063

Приложение: Фрагмент таблицы результатов

100601_12015_15_preprocessed.npy   MSE: 0.360708 SSIM: 0.4977 Anomaly: True

1550_20ns_preprocessed.npy   MSE: 0.302311 SSIM: 0.5063 Anomaly: True

50_2_preprocessed.npy   MSE: 0.275868 SSIM: 0.6019 Anomaly: False

50_1_preprocessed.npy   MSE: 0.267902 SSIM: 0.6744 Anomaly: False

100601_12015_30_preprocessed.npy   MSE: 0.228289 SSIM: 0.6274 Anomaly: False

100601_12015_18_preprocessed.npy   MSE: 0.207284 SSIM: 0.5860 Anomaly: False

1310_20ns_preprocessed.npy   MSE: 0.206218 SSIM: 0.5835 Anomaly: False

100601_12015_14_preprocessed.npy   MSE: 0.204911 SSIM: 0.5787 Anomaly: False

100601_12015_20_preprocessed.npy   MSE: 0.195649 SSIM: 0.6490 Anomaly: False

100601_12015_28_preprocessed.npy   MSE: 0.194850 SSIM: 0.6949 Anomaly: False

100601_12015_3_preprocessed.npy   MSE: 0.192248 SSIM: 0.6394 Anomaly: False

1550_3000ns_preprocessed.npy   MSE: 0.191326 SSIM: 0.5993 Anomaly: False

100601_12015_5_preprocessed.npy   MSE: 0.186432 SSIM: 0.6486 Anomaly: False

1310_40ns_preprocessed.npy   MSE: 0.182574 SSIM: 0.6199 Anomaly: False

100601_12015_27_preprocessed.npy   MSE: 0.177799 SSIM: 0.6812 Anomaly: False

1310_3000ns_preprocessed.npy   MSE: 0.175114 SSIM: 0.6470 Anomaly: False

100601_12015_10_preprocessed.npy   MSE: 0.172607 SSIM: 0.6946 Anomaly: False

100601_12015_13_preprocessed.npy   MSE: 0.161654 SSIM: 0.6101 Anomaly: False

100601_12015_1_preprocessed.npy   MSE: 0.157019 SSIM: 0.7219 Anomaly: False

100601_12015_11_preprocessed.npy   MSE: 0.155019 SSIM: 0.7087 Anomaly: False

100601_12015_39_preprocessed.npy   MSE: 0.150497 SSIM: 0.6253 Anomaly: False

100601_12015_21_preprocessed.npy   MSE: 0.147996 SSIM: 0.7595 Anomaly: False

100601_12015_9_preprocessed.npy   MSE: 0.147989 SSIM: 0.6734 Anomaly: False

100601_12015_19_preprocessed.npy   MSE: 0.147372 SSIM: 0.7456 Anomaly: False

100601_12015_17_preprocessed.npy   MSE: 0.146308 SSIM: 0.7352 Anomaly: False

100601_12015_2_preprocessed.npy   MSE: 0.140385 SSIM: 0.7072 Anomaly: False

100601_12015_7_preprocessed.npy   MSE: 0.138330 SSIM: 0.7315 Anomaly: False

100601_12015_4_preprocessed.npy   MSE: 0.120460 SSIM: 0.7627 Anomaly: False

100601_12015_12_preprocessed.npy   MSE: 0.120187 SSIM: 0.7756 Anomaly: False

100601_12015_34_preprocessed.npy   MSE: 0.114489 SSIM: 0.7664 Anomaly: False