VitalSynth Synthetic ECG/PPG Compliance Report

Epsilon (epsilon): <1.5

Delta (delta): 1e-05

MMD: 0.9638
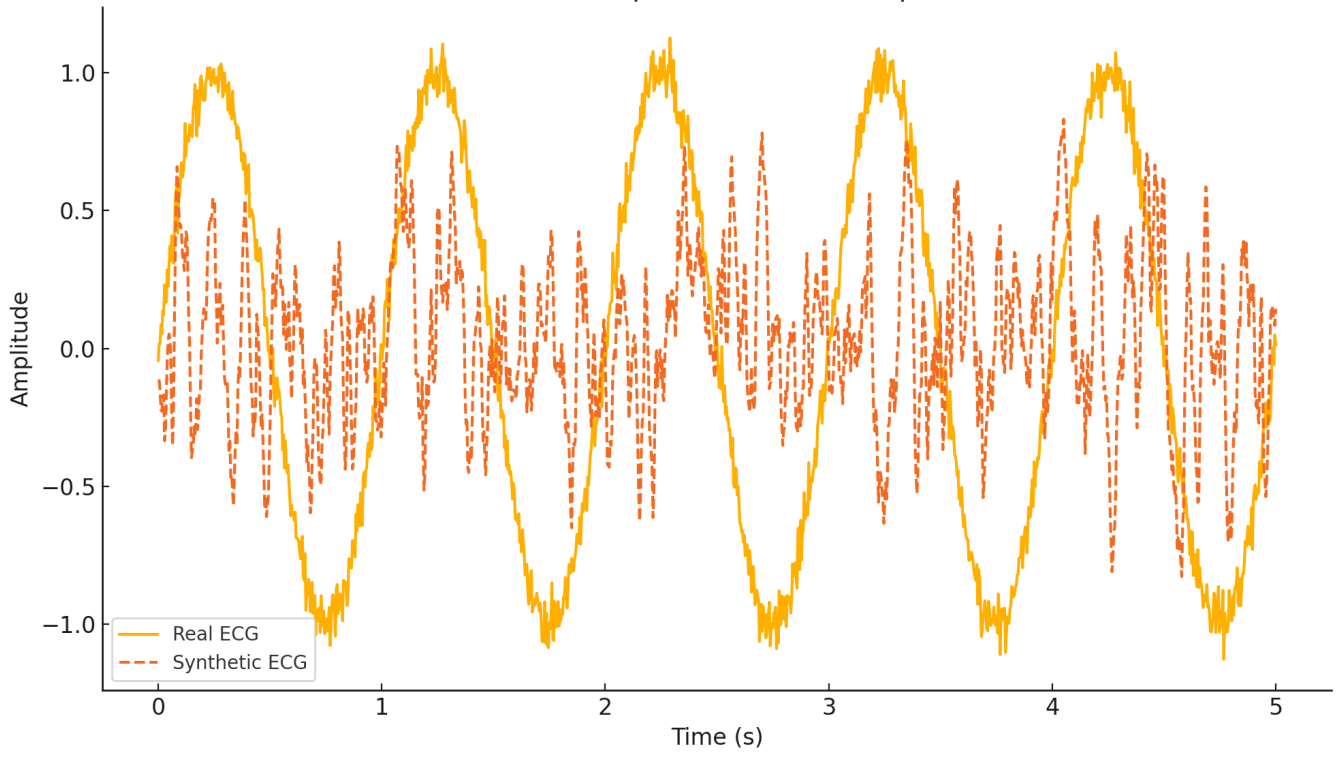
Sequence Length: 1250 steps

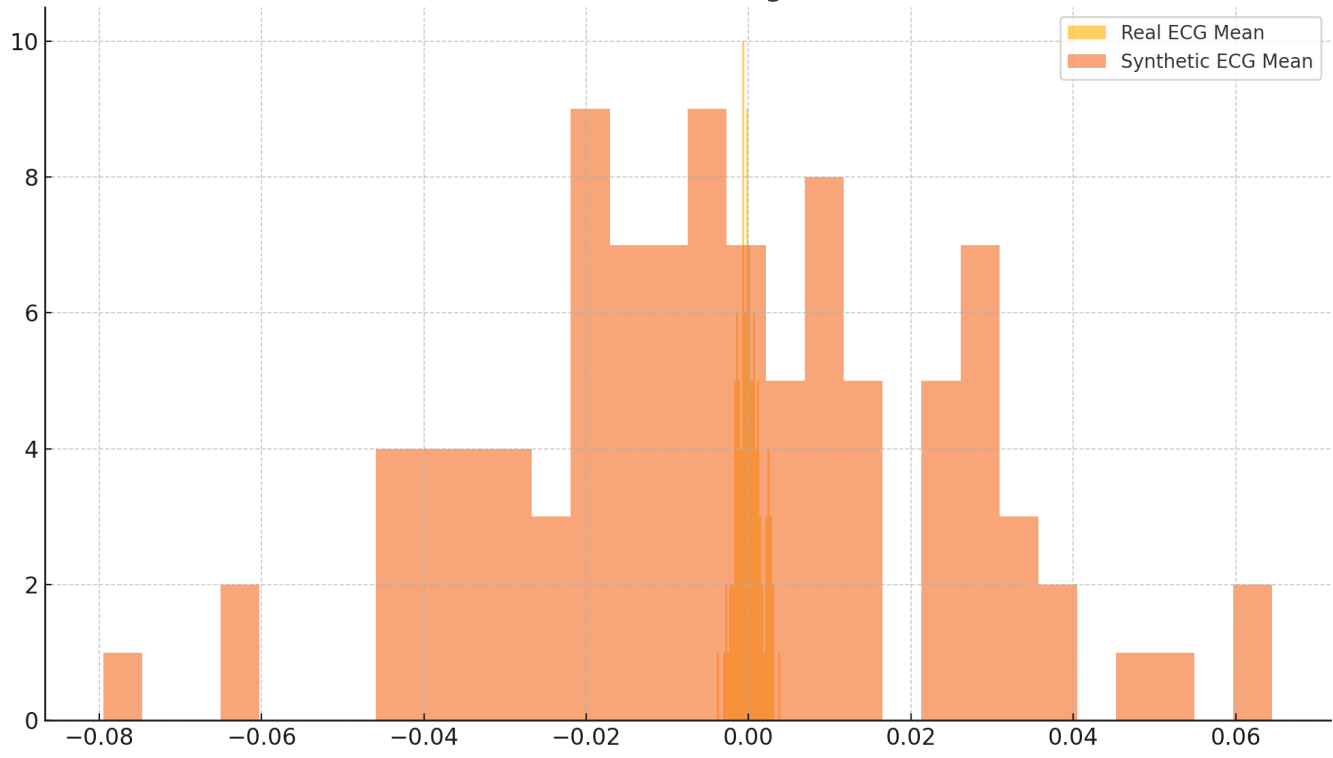SHA256 - synthetic_real.npy: 56849d47260eaf4d2d2e18c45d3f636ec1a6f0cefedee95464fcd6ab494e3a0c

SHA256 - dp_model_real.npz: a36384c9d9e0eb642b2f57bb35df13f74e39315ec12c6cba66fea45656abcf2

Visual Comparisons

ECG Comparison (1250 steps)

Distribution of ECG Signal Means

Use Disclaimer

This report evaluates synthetic electrocardiogram (ECG) and photoplethysmogram (PPG) signals generated by a differentially private LSTM-based model. The synthetic data do not correspond to any real individual's physiological measurements and are intended solely for non-clinical research and development use. They must not be used for diagnosis, treatment, or medical decision-making.