

The aim of this paper is a validation of a decompressed ECG signal using automatic delineation of the ECG signal before and after compression. As a compression coder is used loss variant of 1D SPIHT (Set Partitioning in Hierarchical Trees). This new compression quality criterion is based on a time shift of ECG waves boundaries caused by the compression. In addition we can compare values (voltage) of important points - maximum of R or T wave.