

Tertiary Analysis tab.

To perform a tertiary analysis, after selecting the data for analysis, simply press a key *Tertiary Analysis*. The program supports text files.

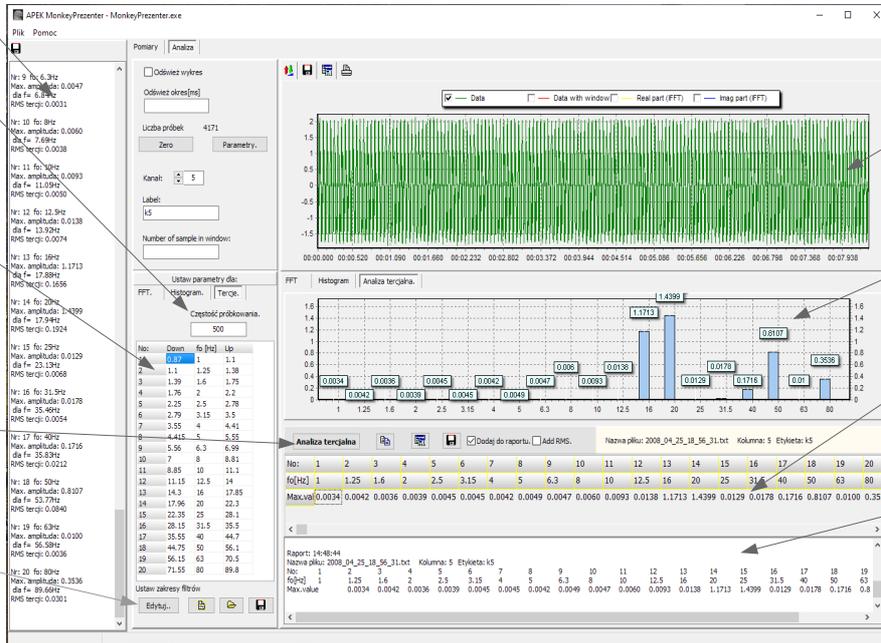
History with analysis parameters.

Sampling rate.

Table Tab.1 with filter ranges to be analyzed.

Tertiary Analysis button.

Buttons for editing filter ranges.



Char with measurements for analysis.

Graphical results.

Table with the results.

Measurements report window.

Fig.1 Tertiary analysis tab view.

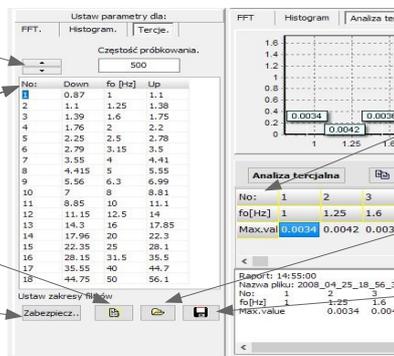
The program performs the FFT analysis according to the values listed in Tab.1. The table can be freely edited after pressing the *Edit* button, which allows you to create up to 100 narrowband filters. The changes can be saved in text files, and return to the third by pressing the *Default settings* button.

Setting the number of filter ranges.
Min 1, max 100.

In order: filter number, low range, middle range and high range of the filter.

Filter defaults. Tertiary analysis from 1Hz to 80Hz.

Disable filter editing.



In order: filter number, filter center frequency, maximum value from a given third, optionally the rms value from a given third.

Read the ranges of previously saved filters from the file.

Save the filter values to a disk file.

Fig.2 Filter table view after pressing the Edit button.

The results with measurements are placed in the results table. Additionally, when the Add to report check box is selected, a text report with measurements is created. To facilitate the creation of your own reports, there are two buttons which, using the clipboard, allow you to easily transfer the latest results to spreadsheets and text editors.

Button for transferring analysis results to the clipboard in text form.

Button for transferring results to the clipboard in a graphic form.

Addition of the analysis results as the RMS value as a function of frequency.

Possibility to save the window with the report to a disk file in text form.

Enabling / disabling adding the analysis results to the report window.

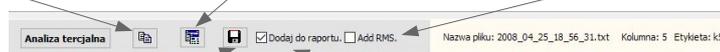


Fig.3 Description of buttons.

FFT Analysis tab.

After selecting the data for analysis, we can initially window the measurements and then analyze:

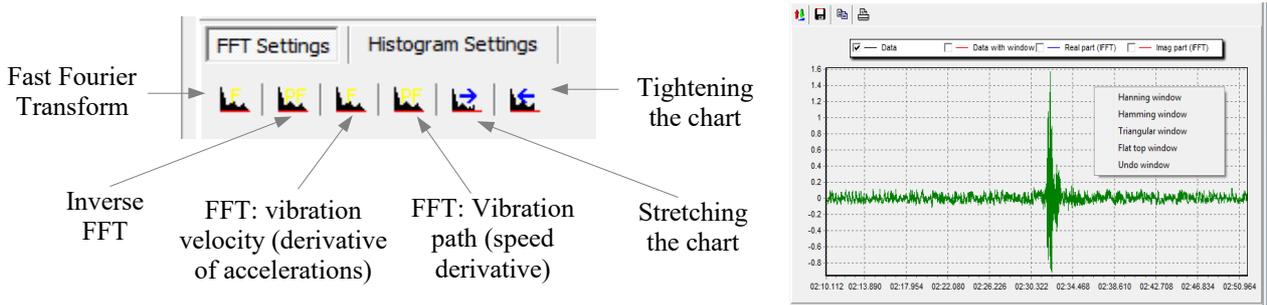


Fig.4 View and description of FFT analysis keys and available measurement windowing before analysis.

The program enables convenient filtering of selected frequency ranges. After limiting or cutting the desired ranges, we perform the inverse FFT transform.

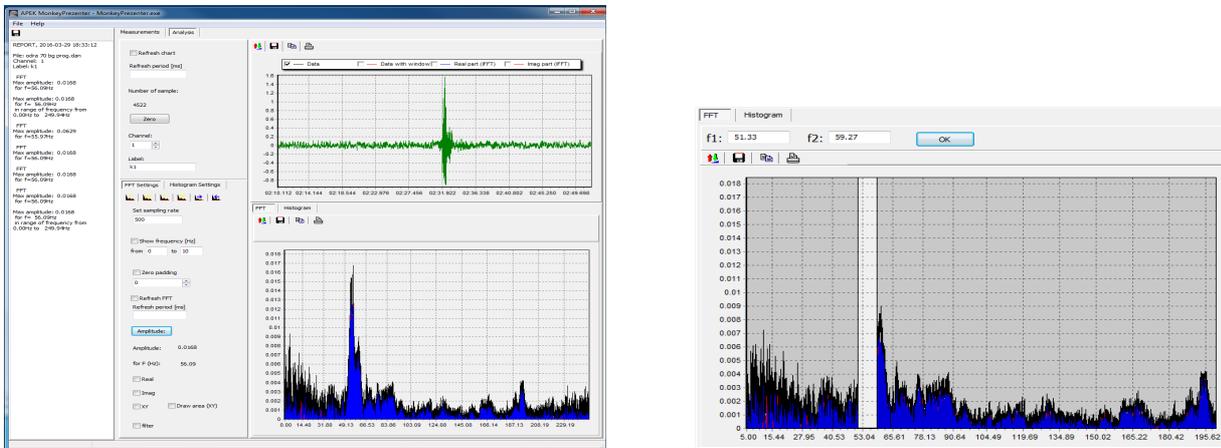


Fig.5 Filtering.

Histogram tab.

In this tab, the time course of the graph is presented in the form of a histogram, i.e. the number of occurrences of individual values. Before pressing the **Histogram** key, enter the number of division levels.

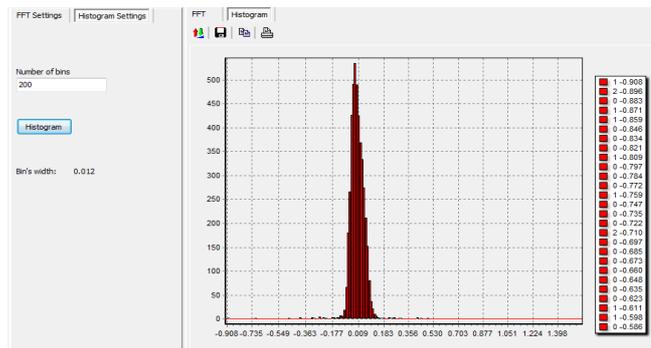


Fig.6 Sample histogram.