



Technologies for seismology, engineering and geophysics

The human activities can be a source of vibrations. These vibrations can cause annoyance to people and lead to structural damages.

The purpose of GeoExplorer VIBER is to analyze the recorded vibrations in accordance with the standard regulations:

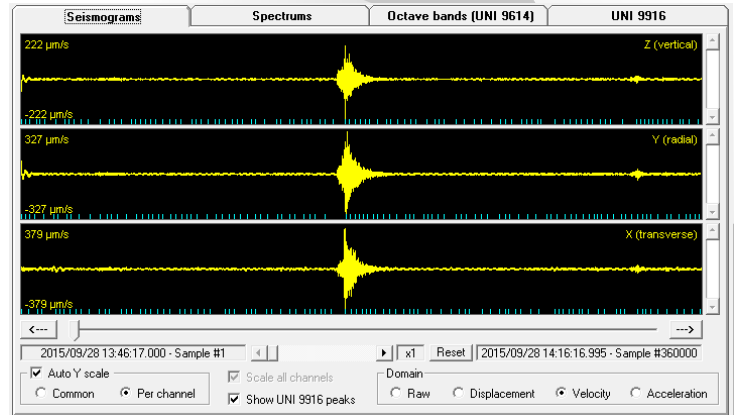
- UNI 9916
- UNI 9614

For more information: www.sara.pg.it or info@sara.pg.it

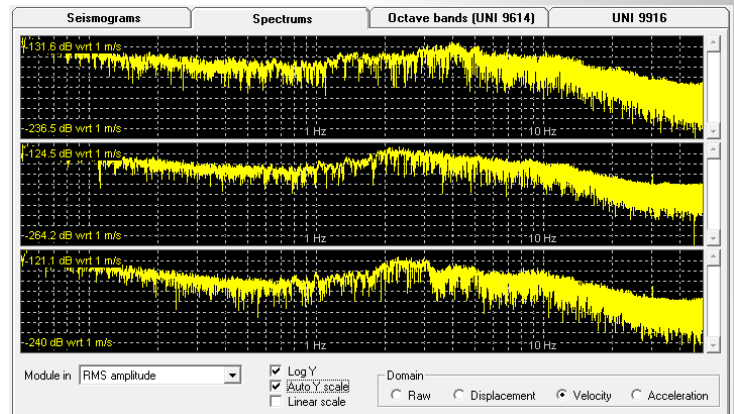
◆ The module is designed to automatically convert data from various domains (raw, acceleration, velocity, and displacement) if the instrument response file is loaded. It can also monitor a folder for continuous monitoring and perform data processing automatically with the desired parameter configuration.

◆ By using our instruments, such as the GeoBox, VelBox and AceBox, along with the frequency domain deconvolution method implemented in VIBER, it is possible to achieve high accuracy in the analysis, meeting regulatory requirements.

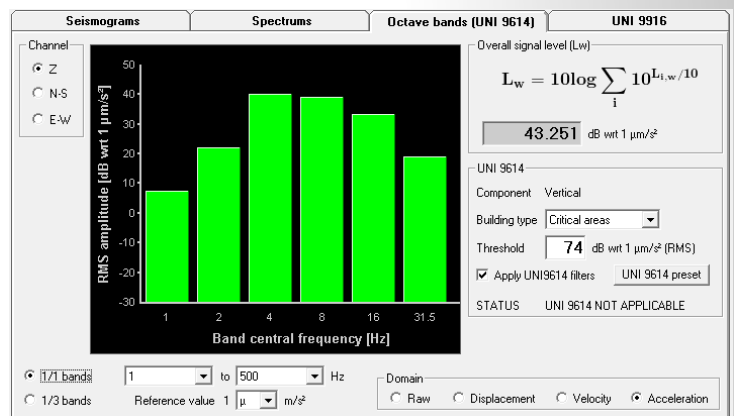
◆ The GeoExplorer suite requires a Windows PC.



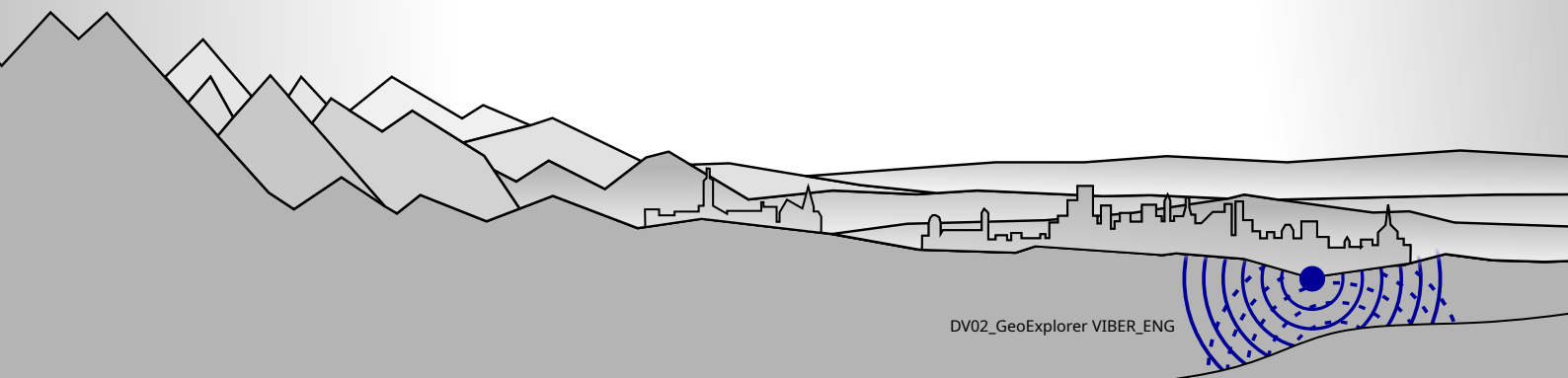
Seismogram tab with automatic picking detection



Spectrum tab



UNI 9614 tab in 1/1 bands



Dataset loading

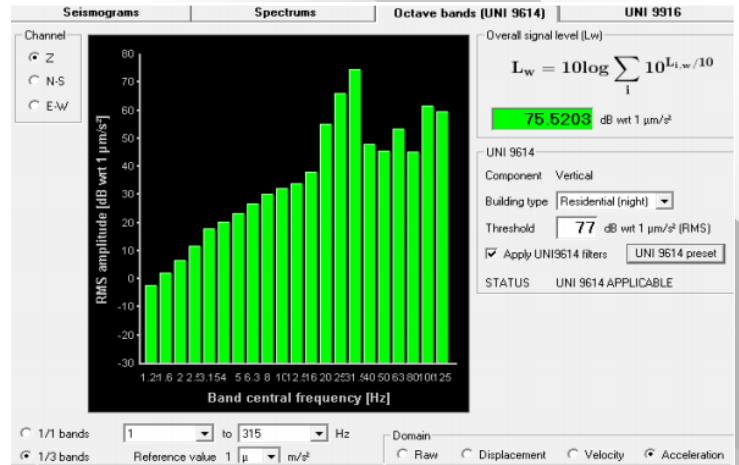
- Folder monitoring for real time automated data analysis
- Manual loading
- Signal instrument correction

Processing:

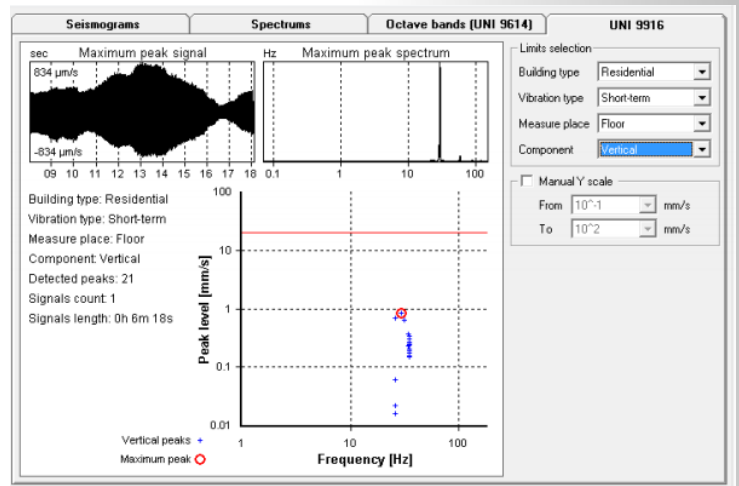
- Filters
- Signal domains correction
- Signal spectrum
- Automatic pick detection for UNI 9916
- Dataset elaboration for UNI 9614
- Dataset elaboration for UNI 9916

The module does not require third-party software for graphical representations and it is possible to export each single image and table displayed. The supported formats are:

- .psn
- .gse
- .saf
- .sac
- .mseed



UNI 9614 tab in 1/3 bands



UNI 9916 tab pick elaboration

SARA electronic instruments s.r.l. is constantly looking for new solutions, implementations and optimizations for the GeoExplorer Suite, providing a high level of customer support and gathering customer feedback for the Suite improvement.

Notice! This paper is an information leaflet only; it is published without programmed updates. All specifications, features and prices are subjected to changes without any prior notice. In the event of any discrepancies between this document and a commercial offer or bidding document, these latter will take precedence.

