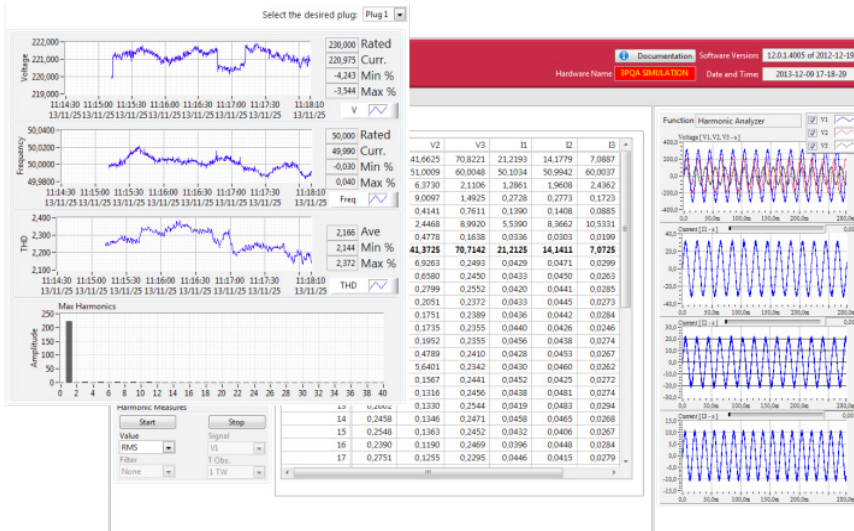# AUT SW VI021 Power Quality Analyzer



*Example of voltage stability measurement graphs*

An automated procedure enables generation of a Power Quality Report that includes previously recorded tests.

- 600 Vrms channel-to-channel isolation
- 300 Vrms measurement range
- 50 kS/s/ch simultaneous inputs
- 3 Schuko or other type plugs adapters
- Built-in antialiasing filters

In accordance with *ISO/IEC 17025:2005, clause 5.3.2*, it is the responsibility of the laboratory to monitor, control and record characteristics of the laboratory power source to ensure continued conformance with the requirements.

Considerations to be taken into account include changes in characteristics of the power as supplied by the electric utility (or other source), changes in load conditions on the power source substation due to power consumption of neighboring businesses, and effects of other testing being conducted in the laboratory.

This software allows analysis of the quality of power supply, according to UL procedure 00-LC-P0025, 00-OP-C0036 and CTL procedure CTL-OP 110, in order to verify if the power supplies available at the laboratory meet all mandatory requirements.

## Benefit

- Algorithm of voltage inter-harmonics analysis according to IEC61000-4-7.
- Three independent phase measurement also at different main frequency (48-52Hz and 58-62Hz).

## SOFTWARE KEY FEATURES & SPECIFICATIONS

- Main frequency 45-65Hz
- Inter-harmonics up to 9kHz
- Connection mode: USB
- Quick test setup and execution
- Collect, monitor, plot on graph and manage data
- Export data to other applications for presentation and analysis.
- Automatic Report generation

## STANDARD REFERENCE

- CTL-OP 110
- ISO/IEC 17025:2005, clause 5.3.2

## HARDWARE SUPPORTED

- 3V30 3 Channels Analog Input (AUT HW 008)
- 3PQA Three Phase Power Quality Analyzer (AUT HW 009)
- Calibration services available

For more information or to try a demo, email Matteo.Fancello@ul.com or Patrizia.Ardemagni@ul.com.