

ACOPT 01

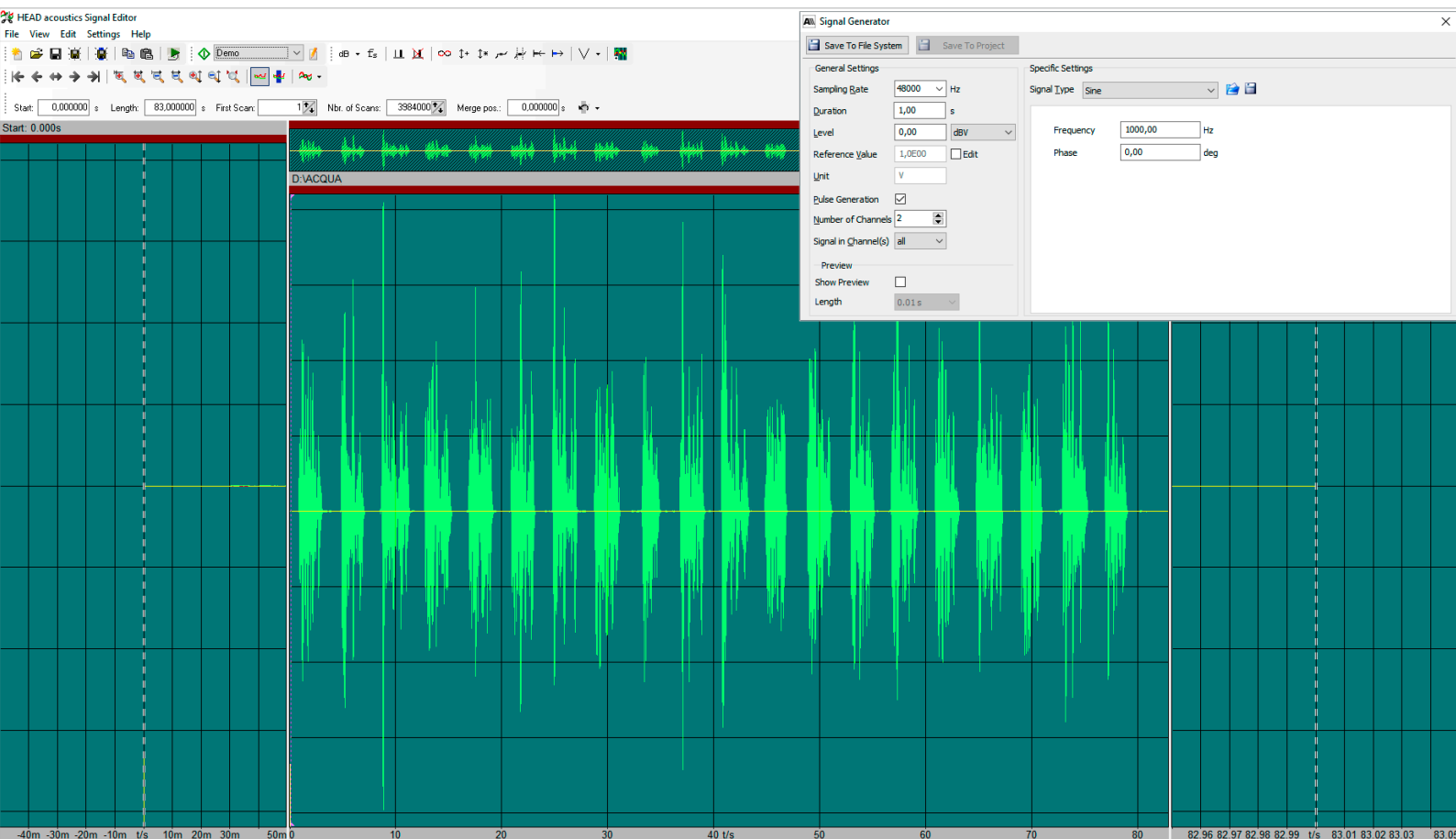
Option Signal Generator and Editor

Code 6811

ACOPT 01 is a license option for the Advanced Communication Quality System ACQUA. It allows the generation and editing of signals in two separate applications.

The Signal Generator creates periodic and non periodic signals with definable parameters (e.g. frequency, amplitude, wave shape) and stores them in a file that can be presented, analyzed, modified as well as played back in ACQUA.

The Signal Editor offers numerous possibilities for editing existing signals (e.g. insertion / deletion signal parts, level adjustment, fading, offset change, channel modification).



OVERVIEW

KEY FEATURES

Signal Generator

Signal Generator for various signal types:

- › Sine
- › Switched sine
- › Multisine
- › Rectangle signal
- › Triangle signal
- › Sweep
- › Stepped sweep
- › Rectangle sweep
- › Pseudo noise
- › Random noise
- › AM/FM signal
- › Universal signal generator
- › DTMF dialer

Signal Editor

- › Insert, delete, remove, invert marked signal parts
- › Insert pause
- › Insert parts from other signal files
- › Copy, swap, add, subtract channels
- › Set or delete pulse channels
- › Interface for adding HRR I pulses
- › Change level of signals/marked signal parts
- › Change offset of signals/marked signal parts
- › Fading modes (In, Out, Out-In, Crossfade)
- › Fading shapes (Linear, trigonometric, cosine)
- › Resampling

APPLICATION

Generating or editing signals for measurements with ACQUA

DETAILS

ACOPT 01 consists of two separate applications:

- › Signal Generator
- › Signal Editor

Both are file-based and operate with signals in 32-bit float format.

The Signal Generator can generate all fundamental signals such as sine, triangle, rectangle, random and pseudo noise as well as different kinds of sweeps. Furthermore, a universal function generator is also included which can generate mathematically defined curve shapes. A sequence dialer enables DTMF signal generation

The Signal Editor allows editing existing signals. Almost every parameter of a signal is adjustable. Adjustments on the whole signal or on a marked part of the signal are possible. Each channel of a signal can be modified individually, there are various options to add fading or pulses. Playback of the signal is possible in order to listen to changes immediately. Moreover, the signal editor provides the function to merge various signals into one file.

REQUIREMENTS

ACQUA (Code 6810)

- › Advanced Communication Quality ware, Full-license Version

SCOPE OF DELIVERY

ACOPT 01, Signal Generator and Editor (Code 6811)

- › as V2C file for ACQUA dongle

Contact Information

Ebertstraße 30a

52134 Herzogenrath, Germany

Phone: +49 (0) 2407 577-0

E-Mail: sales@head-acoustics.com

Website: www.head-acoustics.com