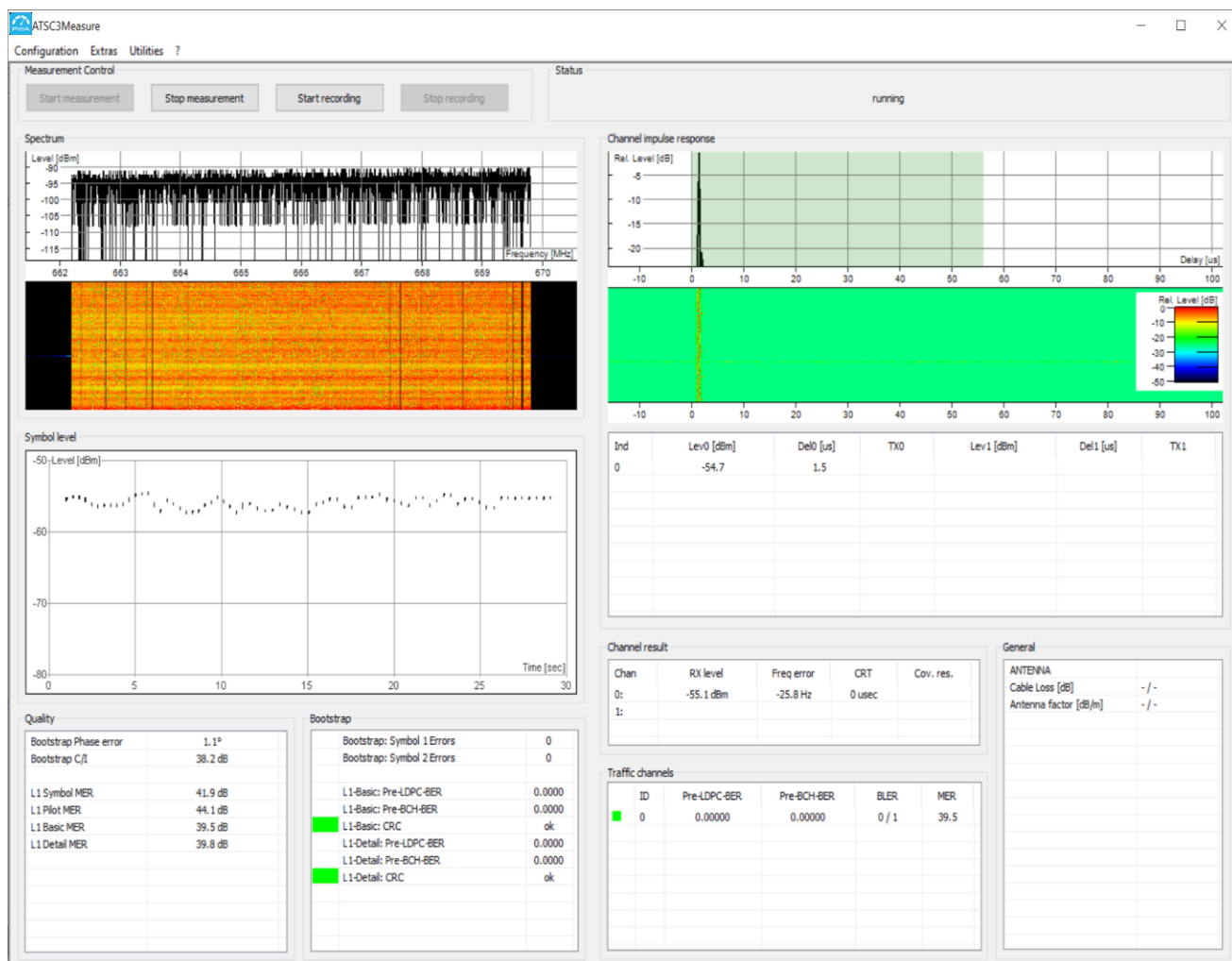


PrecisionWave Signal Analyzer – ATSCMeasure

ATSCMeasure is a powerful tool to perform coverage and quality analysis in operational ATSC networks. The main application fields are drive testing and engineering analysis on the physical layer. ATSCMeasure measures both basic RF channel parameters as level, spectrum, channel impulse response and also quality indicators as constellation, modulation error ratio, channel error and block error probabilities for signaling and traffic channels. Additional sensors are supported to provide navigation and environment information in parallel to the network measurements.

Key Features

- ▶ Standard ATSC A/321:2016 and A/322:2020
- ▶ Software defined measurement system
- ▶ Channel scan and auto setup
- ▶ Several front ends supported
- ▶ Multiple analysis features in the export application



PrecisionWave Signal Analyzer – ATSCMeasure

Basic RF Parameters

- ▶ Level
- ▶ Spectrum
- ▶ Channel impulse response
- ▶ Frequency error

Bootstrap

- ▶ Spectrum
- ▶ Decision variable
- ▶ Modulation error ratio
- ▶ Bit error
- ▶ Bit stream and content analysis

Layer 1 Signaling

- ▶ Constellation and modulation error ratio
- ▶ Channel errors and block errors
- ▶ Bit stream and content analysis

for both basic and detail L1.

Traffic Channels

- ▶ Constellation and modulation error ratio
- ▶ Channel errors and block errors

for individually selected PLP's.

