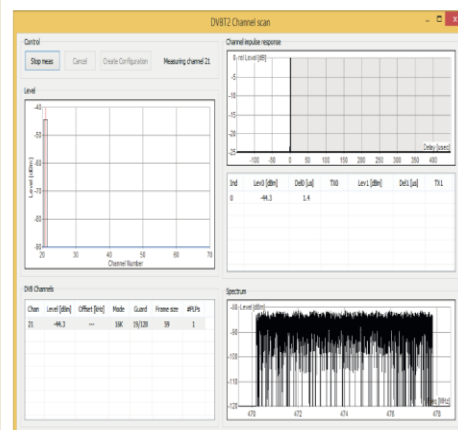
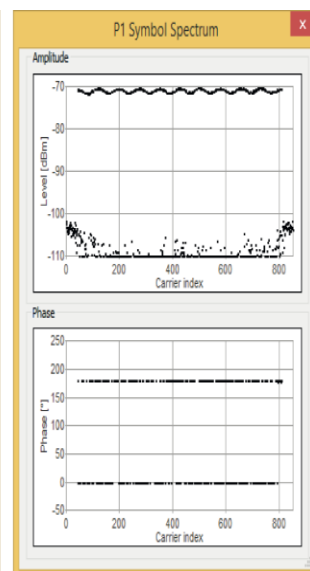
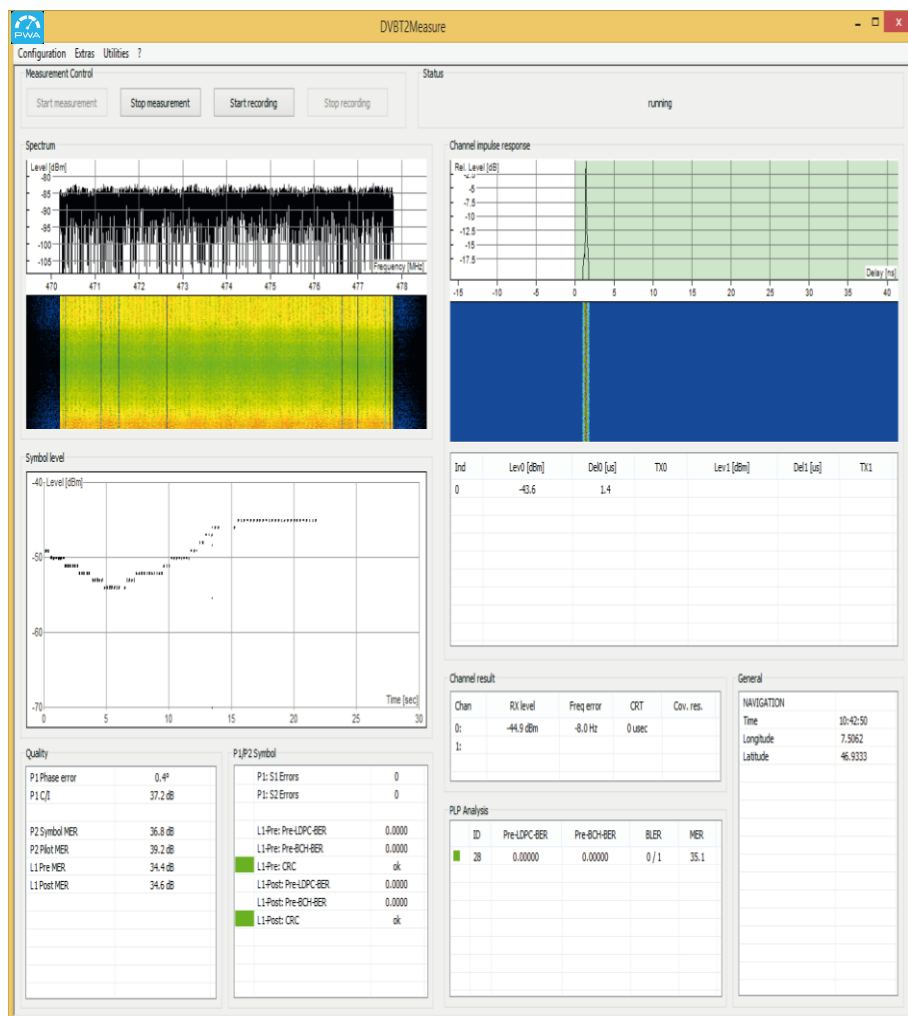


PrecisionWave Signal Analyzer – Measure DVB-T2

This software provides high functionality in analysing your DVB-T2 signal. Depending on the measurement depth, the software is able to analyse RF parameters as well as Quality of Service (QoS) parameters for each Physical Layer Pipe (PLP). Multiple PLP and diversity (fixed antenna 0/1, maximum ratio, equal gain, subcarrier selection, antenna selection) are supported. Navigation can be easily implemented (uBlox, NMEA-RMC, NMEA-GGA). External sensors to capture environmental data are supported.

Key Features

- ▶ High professional measurement
- ▶ Software Defined Radio (SDR)
- ▶ Coverage Margin
- ▶ Channel Scan / Measure
- ▶ Sync Analysis
- ▶ Drive Test application
- ▶ Two Channel Diversity
- ▶ Individual analysis with export
- ▶ Antenna monitor: Height profile and radiation pattern



PrecisionWave Signal Analyzer – Measure DVB-T2

Supported Standard

- ▶ DVB-T2: EN 302 755

High Frequency Parameters

- ▶ Spectrum (all DVB-T2 bandwidths)
- ▶ Channel impulse response (CIR)
- ▶ Graphical / Table overview / Level and delay analysis
- ▶ Channel result, Symbol level
- ▶ Constellation diagrams (Pilots, L1 Pre/Post, per PLP)
- ▶ Channel rise time (CRT)
- ▶ Frequency error

Quality

- ▶ P1 Phase error
- ▶ P1 Channel / interference (C/I)
- ▶ P2 Symbol MER
- ▶ P2 Pilot MER
- ▶ L1 Pre signalling MER
- ▶ L1 Post signalling MER

P1 Symbol

- ▶ Spectrum
- ▶ Phase
- ▶ C/I

P1/P2 Symbol

- ▶ P1: S1 / S2 Errors
- ▶ L1 Pre-Signalling: Pre LDPC-BER
- ▶ L1 Pre-Signalling: Pre BCH-BER
- ▶ L1 Pre: CRC check
- ▶ L1 Post: Pre LDPC-BER
- ▶ L1 Post: Pre BCH-BER
- ▶ L1 Post: CRC check

Multiple PLP Analysis

- ▶ Pre LDPC-BER per PLP
- ▶ Pre BCH-BER per PLP
- ▶ Failed FEC blocks per PLP
- ▶ MER per PLP

Diversity Mode

- ▶ Fixed antenna 0 / 1
- ▶ Maximum ratio
- ▶ Equal gain
- ▶ Subcarrier selection
- ▶ Antenna selection

L1 Pre-Signalling Info

- ▶ Transmitting Type
- ▶ Extended Carrier Mode
- ▶ S1/S2
- ▶ Guard Interval
- ▶ PAPR used/not used
- ▶ L1 Modulation, L1 Coding
- ▶ Pilot Pattern (PP)
- ▶ Cell / Network / T2 System ID
- ▶ Number of Data Symbols