

PrecisionWave Signal Analyzer – Measure DAB / DAB+

This software provides high functionality in analysing your DAB/DAB+ signal. Depending on the measurement depth, the software is able to analyse RF parameters as well as Quality of Service (QoS) parameters. 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
- ▶ Fast Level Measurement mode
- ▶ TII Analysis
- ▶ Drive Test application
- ▶ Antenna monitor: Height profile and radiation pattern



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Supported Standards

- ▶ DAB: EN 300 401
- ▶ DAB+: TS 102 563
- ▶ DMB: TS 102 427

More Features

- ▶ Symbol quality measurement
- ▶ DMB Info
- ▶ DAB+ Info
- ▶ DAB Packet Data Information
- ▶ Coverage Reserve
- ▶ FIG Info
- ▶ TII Table
- ▶ Fast Level Measurement Mode
- ▶ Channel Scan

High Frequency Parameters

- ▶ Spectrum
- ▶ Channel impulse response (CIR)
- ▶ Graphical overview / Table overview / Level and delay analysis
- ▶ Level (Null-Symbol, Sync-Symbol)
- ▶ Frequency Error
- ▶ Phase Error
- ▶ Modulation Error Ratio (MER)
- ▶ Signal to Noise Ratio (SNR)
- ▶ Constellation diagrams
- ▶ Transmitter identification
- ▶ Coverage Reserve
- ▶ Symbol Quality

Channel BER

- ▶ VEFR FIC Channel
- ▶ VEFR per SubChannel
- ▶ BER of DMB streams

DAB+ Streams

- ▶ Viterbi Error Flag Ratio VEFR
- ▶ Pre Reed Solomon BER
- ▶ Post Reed Solomon BER
- ▶ AU CRC failure

Ensemble

- ▶ Ensemble and service Labels