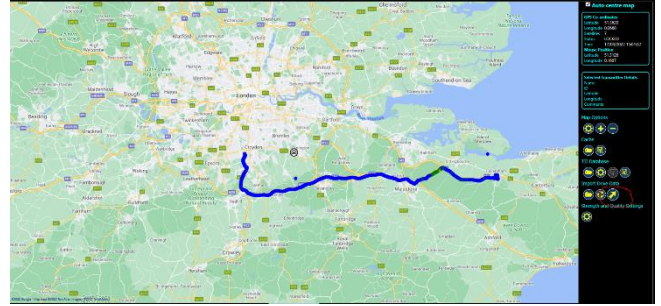# OBSERVA FIELD MONITOR

RF receiver for DAB+ decoding and analysis

The OBSERVA Field Monitor is a portable instrument for RF surveys to verify DAB content and signal coverage.

The device captures comprehensive RF measurements which can be recorded in a variety of formats for detailed analysis. The device has several applications to suit the need of the operator:

Coverage planning	RF signal performance	Transmitter synchronisation checks	DAB content verification	Reception quality

The OBSERVA Field Monitor provides real-time analysis of:

- DAB (+) ensemble, including audio and data services (**DLS, Slideshow, SPI**).

- RF transmission reception quality by **signal level and field strength**, plotted against a map overlay using accurate **GPS** information during drive surveys.

- Real-time data displays, including graphing of the **Bit Error Rate (BER)** in the Fast Information Channel (FIC), **Phase Reference Symbol (PRS)** display and the **Channel Impulse Response (CIR)**.

CONTENTS

- **Receiver unit with internal GPS receiver and licence key**

- **RF antenna and GPS antenna with magnetic mount, RF antenna cable and antenna rod**

- **USB power cable**

- **Software installer, licence file, user guide and release notes**

TECHNICAL SPECIFICATIONS

Operating System	CPU	Memory	Storage
Windows 10 Pro	Intel Core i5 processor - 2GHz or faster	8GB RAM	2GB free disk capacity for installation

FEATURES

- **RF modulation presented in graphical forms**

- **Full ensemble decoding including FIGs, and detailed DAB service analysis**

- **GPS logging with map overlay and coverage data export/import functionality**

- **Transmitter Identifier Information (TII) detection**

- **Service Linking data**

- **Save to file options: ETI, Sub-channel, PAD, Audio (PCM or WAV), KMZ**