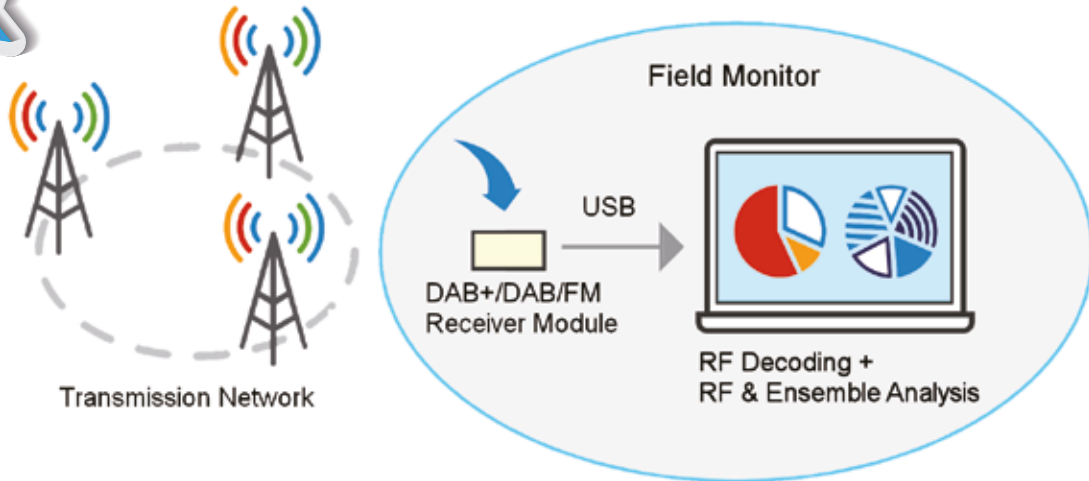


# OBSERVA

MONITORING & ANALYSIS

BEST  
SELLING

## Field Monitor Overview



## Compact DAB/DAB+ Receiver and Analyser for Digital Radio Networks

The OBSERVA **Field Monitor** is an innovative device for **mobile** monitoring and analysis of **DAB/DAB+ transmissions**. Broadcasters worldwide are benefiting from an array of **immediate** and informative measurements provided by this state-of-the-art tool. Robust and reliable, the OBSERVA Field Monitor is an **easy-to-use**, **affordable** solution, **tailored** to suit the requirements of both large networks and small stations alike.

### HIGHLIGHTS

RECORDING & PLAYBACK

GPS LOGGING

USB-POWERED

REAL-TIME DATA

PORTABLE

COMPACT DESIGN

MULTIPLE-SERVICE VIEW

*"We found the Factum Radioscape OBSERVA Field Monitor very helpful in deploying and troubleshooting DAB SFN networks as well as checking coverage continuity and data integration."*

- Gilles Misslin, CREACAST



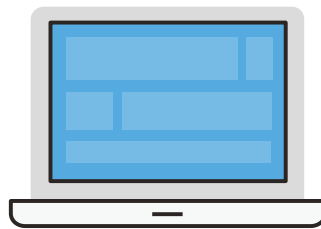
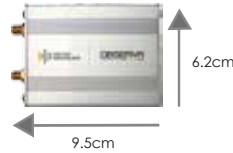
# OBSERVA

MONITORING & ANALYSIS

## Field Monitor Software and Technical Specifications

### software

DAB+ decoding & analysis of the full ensemble  
ETI & FIC analysis  
RF statistics - MER/BER  
Audio quality view  
Transmitter TTI info



### metrics

All stations display  
Data service analysis  
EPG viewer  
RF Modulation graphics  
Data logging  
Map  
Customisable

### inputs

RF DAB/DAB+  
RF FM  
ETI File

### What's in the box?

DAB Receiver  
Rugged Protective Case  
Band-III Antenna  
GPS Antenna  
USB Cable  
USB Memory Stick  
Software Installer  
User Guide and Release Notes

### + features

ETI recording  
FIC recording  
Silence detection



### Minimum Computer Requirements

Windows 7, Windows 8.1, Windows 10  
Intel core i5 processor  
4GB RAM  
Dedicated graphics card  
2GB free disk capacity

<b>Connector Type</b>	SMA female	<b>Input Return Loss</b>	> 12dB, 174-240MHz
<b>Input Impedance</b>	50Ω	<b>Noise Figure</b>	7.2dB
<b>Frequency Range DAB/DAB+</b>	174MHz – 240MHz	<b>2nd order intercept point (IIP2)</b>	+40dBm (test tone level -41dBm)
	Band-III Channels 5A – 13F	<b>3rd order intercept point (IIP3)</b>	-12dBm @ test tone level -41dBm +17dBm @ test tone level -17dBm
<b>Frequency Range FM</b>	88kHz – 108kHz	<b>LO In-band Phase Jitter</b>	0.3° RMS, 1kHz-1MHz
<b>Sensitivity</b>	minimum -100dBm maximum -10dBm	<b>LO Wideband Phase Noise</b>	-140dBc/Hz @ 1MHz offset
<b>Level Accuracy</b>	±1dB	<b>Channel Filter Bandwidth</b>	1.536MHz ± 2%
<b>Selectivity</b>	> 40dB	<b>Demodulation Sensitivity</b>	-99dBm