



GNSS SIGNAL SIMULATION

XPLORA Trace

The GNSS Record & Replay Solution

Increase testing accuracy by replaying real GNSS environments for precise and straightforward evaluations



XPLORA TRACE

In many industries relying on GNSS signals for positioning and timing, the demand for real test scenarios is essential. **XPLORA Trace**, from OHB Austria, addresses precisely this challenge. Unlike idealized or theoretical modes, **XPLORA Trace** captures GNSS signals as they occur in real life, recording signals with real-world imperfections inherent to specific locations and times.

This approach is indispensable to meet the challenges of ADAS testing, consumer goods development, timing and synchronization solutions, GNSS receiver testing, various R&D projects, and more.

XPLORA Trace enables controlled recording of GNSS signals, allowing users flexibility in defining parameters for static or dynamic scenarios at specific locations and times.

Seamlessly operating on COTS-laptops, desktop PCs, or servers, **XPLORA Trace** utilizes COTS SDR hardware in single or dual-channel configurations and provides an easy-to-use interface for highly efficient testing.

In synergy with XPLORA Core - GNSS Signal Simulator, the same hardware is capable of not only allowing the recording and playback of GNSS signals, but also the simulation of arbitrary GNSS scenarios.

Key features

Supported GNSS frequencies	All GNSS-constellations, -bands, and -signals
Quantity of channels	1 or 2
Bandwidth	25 MHz or 2x100 MHz
Quantization	4-bit, 8-bit, 16-bit
Maximum recording length	unlimited – dependent on hard drive
Operating system	Windows, Linux

Get in touch with us to learn how to increase the accuracy of your testing performance with **XPLORA Trace**!

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Kärntner Straße 7b/1
A-8020 Graz, Austria

+43-316-890971-0
www.ohb-austria.at
office@ohb-austria.at