



Octave to Demonstrate Radio Signal Measurement in Orban Booth at NAB

NAB 2018, Booth N2024 – Octave Communications will be in the Orban booth at NAB, demonstrating the company's new HDR/FM Nomad Analyzer. Designed for intelligent HD Radio™ / Analog FM mobile measurement, this product utilizes HD Radio metering recording powered by the DaySequerra HD Radio Data Monitor. Data supplied by the DaySequerra product include HD Acquired, Digital Audio Acquired, QI (Digital Audio Quality Indicator), DAAI (Digital Audio Availability Indicator) and Blend Control Status.

The HDR/FM Nomad Analyzer measures the RF level of HD Radio sideband ratios to analog and interferer carriers along with analog FM RF level recording of each station along the entire FM band. It utilizes highly accurate GPS monitoring using WAAS/EGNOS satellites, and supports logging of up to 4 simultaneous channels (HD Radio or analog). Real-time propagation analysis reports on unexpected RF drops, presence of interferers, HD Radio sideband power ratio mismatches and other features. Reporting is available via Excel-friendly CSV and/or Google Earth KML formats.

The unique real-time propagation analysis is possible by pre-computing the “spectrum picture” of the surrounding measurement campaign area by uploading the propagation files from the Octave Server, which connects and analyzes the data from the FCC, ISED (Canada) or Mexico broadcasting database. This allows a single user to drive into its measurement campaign while receiving audible notification when the system detects reception problems (when the predicted reception was supposedly better than what received), potential interference issues, etc. This enables the user to quickly decide to make more measurements in critical areas during the drive tests to gather to most relevant information.

The system is also fully compatible with existing analog FM systems.

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