

# Keysight Technologies

## Nemo Outdoor

### Powerful Drive Test Tool for Measuring and Monitoring Wireless Networks

Nemo Outdoor from Keysight Technologies, Inc. has an established position both as a pioneer and leader in drive test measurement solutions. Nemo Outdoor offers a broad range of testing options and support for all the newest technologies including 3 carrier aggregation, LTE Cat 16 devices, VoLTE/ ViLTE, VoWiFi/ ViWiFi, 4x4 MIMO, and eMBMS testing.



Anite is now part of Keysight Technologies

## Reduce the Time-to-Market of New Technologies and Services

Keysight was the first to release support for a commercial 3 carrier aggregation, Video over LTE (IR.94), and SMS over LTE (IR.92) testing solution for mobile network operators and network infrastructure vendors. LTE-A CA measurements with Nemo Outdoor provide detailed information about the primary and secondary component carriers (Scell1 and Scell2), including physical cell ID, signal levels, and quality.

To gain competitive advantage in today's market, monitoring and improving customer experience is crucial. Nemo Outdoor enables the measuring of quality-of-experience (QoE) metrics for the services and applications your customers are actually using, including advanced YouTube video testing, native Ookla Speedtesting, and Facebook, Twitter, Dropbox, and Instagram application testing. The information provided by Nemo Outdoor assists in the verification and troubleshooting of new services reducing the time-to-market.

## Comprehensive Solution Based on a Single Laptop

Nemo Outdoor allows operators to test and verify the capacity of LTE-A wireless networks and it comes with an incomparable support for over 300 test terminals and scanning receivers.

Nemo Outdoor is highly suitable for targeted network problems in all the established and emerging phases of the network life cycle. It can be expanded to cover extensive and powerful measurements from drive testing to benchmarking and QoS measurements. All of this on a single laptop-based software platform.

In addition to drive test and benchmarking measurements, the Nemo Outdoor platform is expandable to support voice and video quality measurements, including streaming video analysis with the PEVQ-S algorithm. Nemo Outdoor also offers tools for various troubleshooting and verification tasks, such as DAS anomaly analysis, real-time RF ingress and missing neighbor detection, pilot pollution analysis, and GSM interference analysis.

The optional Nemo Media Router, the Keysight proprietary (patent pending) communications interface and application, enables simple and productive deployment of Android-based smartphones in data benchmarking and voice quality measurements by utilizing the smartphones' independent capacity more effectively.

## Diversity and Ease of Use

Nemo Outdoor's diversity is only matched with its flexible user interface and ease of use. Owing to its single platform, all essential functionalities can be found in one location. Through the fully customizable user interface the user is able to tailor Nemo Outdoor for their particular use.



## Features

- Quality-of-experience (QoE) metrics for the services and applications your customers are actually using.
- Extremely easy to set up, configure and use. The time from receiving the product to using it ranges from a couple of minutes to less than two hours.
- Automated measurements with extensive scripts and large-scale measurement lists enable you to focus on the actual task at hand during drive testing.
- User-defined parameters from signaling messages can be searched and displayed in info view and graph side panel during measurement and playback.
- Open ASCII file format - Nemo Outdoor uses an open file format which can be directly utilized in various third-party analysis tools; no conversion or parsing needed.
- Nemo Media Router - patent pending application for Android-based smartphones utilizing the phone's own capacity more effectively for data and voice quality measurements.
- Patented multi-data.