Keysight Technologies
5G Field Measurement Solution

Complete measurement system for 5G radio propagation and coverage verification

5G field measurement solution from Keysight Technologies, Inc. provides a complete measurement system for sub 6 GHz and millimeter wave (mm-wave) frequency spectrum. The solution includes all the necessary software and hardware to collect, post-process, analyze, and visualize the data and to generate statistical information that can easily be shared throughout the organization.

Anite is now part of **Keysight Technologies**

KEYSIGHT TECHNOLOGIES

Unlocking Measurement Insights

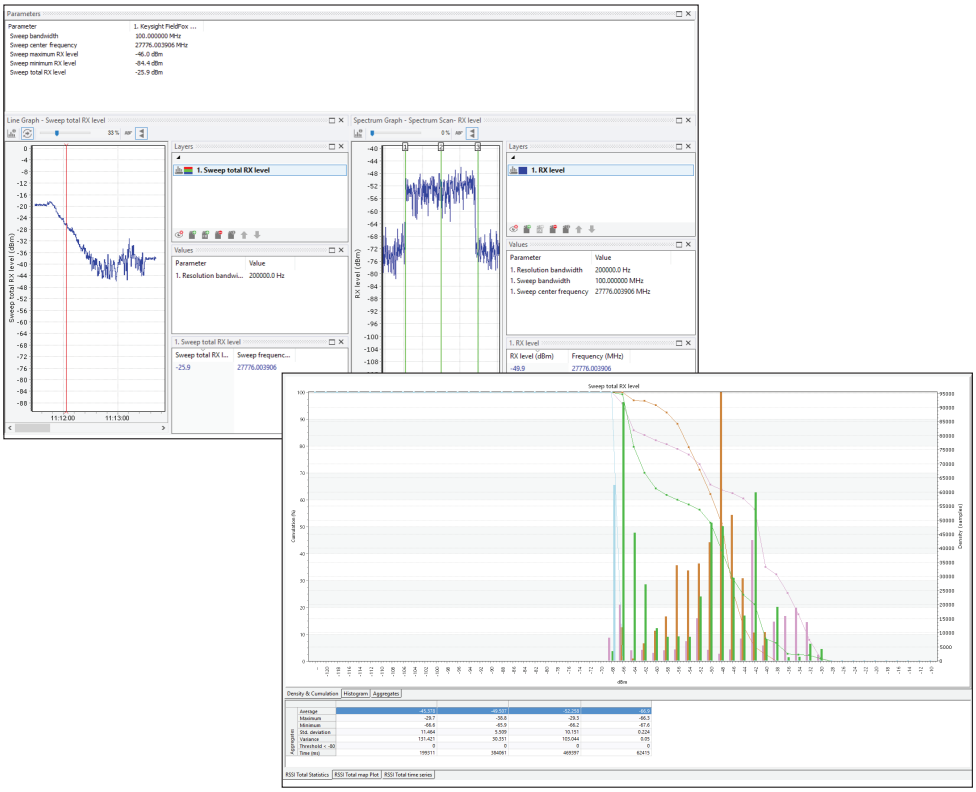
Early 5G Field Measurements

When a network environment is simulated in a lab, the tests need to be complemented with field tests to ensure the real-world network conditions match algorithms used in the development phase. As there are very few 5G end-user devices available, a feasible way to understand 5G beam characteristics is to measure signal power levels from base stations. Real-world 5G measurements allow mobile operators to supplement and verify initial radio network plans and models.

Keysight's 5G field measurement solution provides a complete measurement system for sub 6 GHz and millimeter wave (mm-wave) propagation and coverage measurements in different radio environments, both indoors and on the field. The solution combines Keysight's powerful drive test tool Nemo Outdoor with FieldFox handheld spectrum analyzer and it provides the total channel power level over the measured bandwidth. The data can be exported in Nemo analytics tools for visualization and reporting and easily shared throughout the organization.

Measure, Analyze, and Visualize Signal Power Levels from 5G Base Stations

Keysight's 5G field measurement solution includes all the necessary software and hardware to collect and process data, including the data analytics tools. Keysight's Nemo Outdoor, combined with FieldFox, enables network vendors and operators to evaluate and verify the propagation models of 5G base stations speeding up time-to-market of 5G base stations.



Features

- Measure and verify sub 6 GHz and mm-wave frequency spectrum, reflection and penetration for indoor and outdoor environments
- Easily align the transmitter and receiving directional antenna
- Measure accurate total channel power level over the measured bandwidth
- Visualize the measurement results with both indoor and outdoor maps utilizing feature-rich user interface together with Keysight's FieldFox handheld spectrum analyzer
- Easily generate statistical reports and coverage plots with data analytic tools
- Ensure that the algorithms used in R&D match reality
- Includes pre-handler software for 5G devices

www.keysight.com/find/nemo

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Published in USA, June 7, 2017
5992-2401EN
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