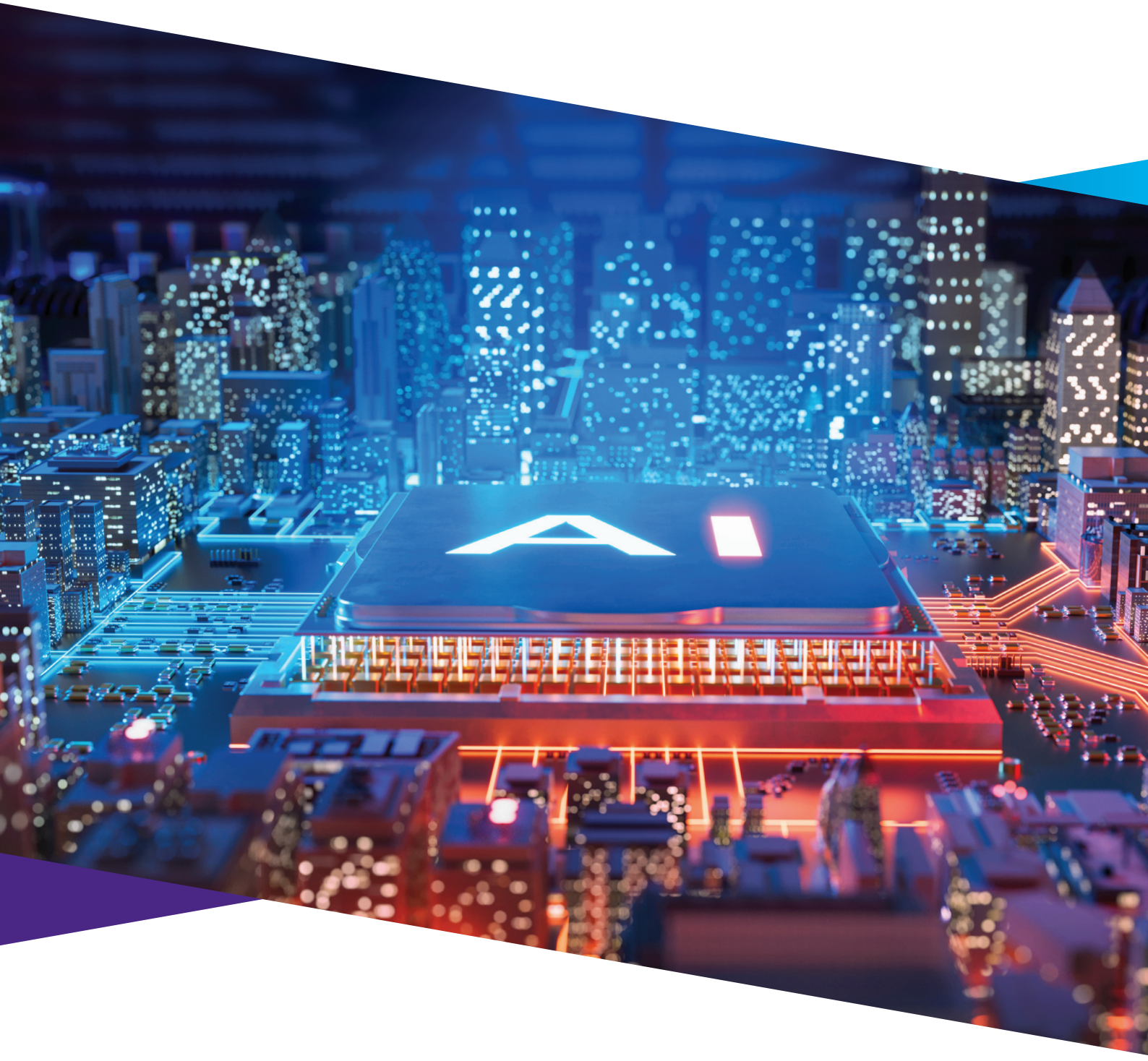


ONEADVISOR 800 WIRELESS

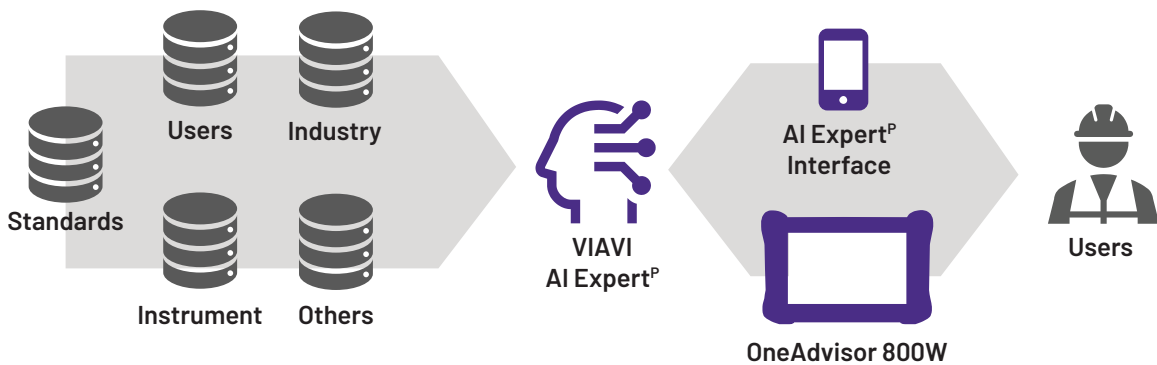
AI Expert^P

Generative Artificial Intelligence



ONEADVISOR 800 AI EXPERT^P

The OneAdvisor 800 AI Expert^P is an artificial intelligent solution with expertise in different knowledge domains, from standards bodies, industry best practices and instrument functionality, providing solutions to technical problems of network testing. The AI Expert^P leverages the orchestration of various Artificial Intelligence (AI) and Machine Learning (ML) capabilities to simplify the operation of complex test and measurement instruments, augment the skills of technicians, automate data analysis and reporting, while ensuring compliance with prescribed test plans.



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OneAdvisor AI Expert^P Overview

The AI Expert^P models are constantly trained by datasets, including among others:

- Signal analysis model trained for analysis of signal data generated or received by the OneAdvisor 800. Different types of signal analysis models can be configured depending on the test function and signals to be analyzed, for example, RF analysis combining advanced RF measurement capabilities with AI intelligence to transform how engineers and technicians detect, classify, and locate signal in complex spectrum environments.
- Instrument control model enables the ability to control the OneAdvisor 800 via natural language input, such as text or voice, allowing an agentic interaction that simplifies test operations and expedites problem resolution.
- Results generation model generates results of the signal data analysis and/or tests according to predetermined formats.





These AI models are constantly expanding and evolving based on data generated by test procedures, or from user’s interaction with the OneAdvisor 800.

AI Expert^P in Radio Access Networks

The continuous growth in radio access networks (RAN) air interface of 5G, LTE, private networks, Internet of Things (IoT) and satellite systems as non-terrestrial networks (NTN) and the network interface of CPRI, eCPRI, Ethernet, Precision Timing and Synchronization has created a significant challenge for network maintenance and optimization. AI Expert^P addresses this challenge by delivering comprehensive wireless and radio access expertise instantly to all users.

Traditional techniques of RAN maintenance and optimization are based on tests that require careful configuration, manual intervention, expert analysis and consistent reporting; while the OneAdvisor 800 AI Expert^P simplifies testing with natural human interaction, performs signal analysis and interpretation, and consistent report generation, reducing troubleshooting time, and enabling any user to perform expert-level wireless field testing.

AI Expert^P Features and Benefits

AI Expert ^P	Key Features	Key Benefits
	Expert knowledge base having access to a continuously updated library of industry standards, best practices and signal profiles.	Reduce training time, field technicians and engineers gain expert-level knowledge instantly, enabling less experience staff to understand wireless networks, identify impairments and implement effective solutions.
	OneAdvisor 800 knowledge base with tests functions and capabilities to install, maintain and optimize radio access networks	Enable users to deliver configure and perform the OneAdvisor 800 for accurate, professional testing and delivering results without specialized training
	OneAdvisor 800 control with natural voice and text interaction, allowing the operation of the instrument hands-free with voice commands or by typing instructions.	Significant reduction of test time with AI-assisted workflow and interactions to configure and perform tests detect, classify, and guide users to signal sources, reducing the need for lengthy manual scanning and interpretation.
	Signal Analysis Expertise providing an interpretation of test results, instantly identifying wireless signals and impairments using advanced pattern recognition.	Improves safety and efficiency during field testing. Reduces misclassification risks, and enabling faster troubleshooting.



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