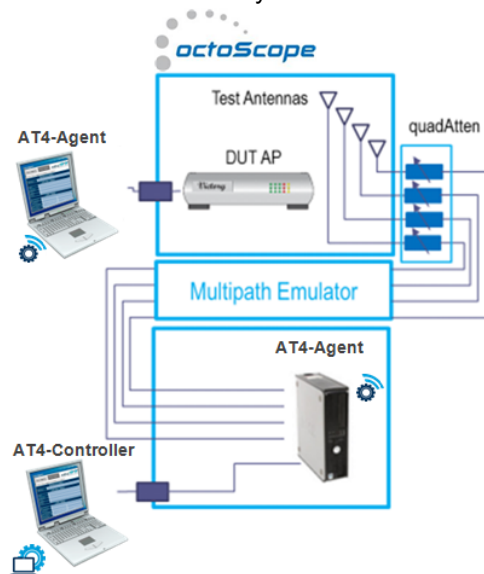


AT4 wireless and octoScope responding to Wi-Fi and LTE-U coexistence challenges

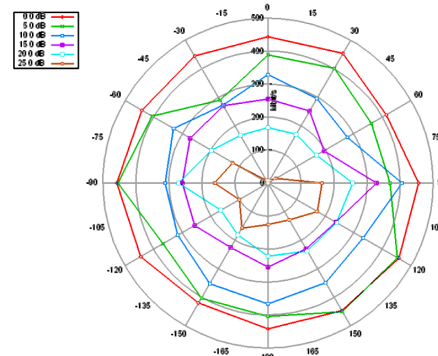
Málaga (Spain), 06 April, 2016. AT4 wireless (now a DEKRA company) and octoScope are collaborating for the development of advanced performance solutions aiming at the uprising technical challenges behind Wi-Fi and LTE-U coexistence.

The AT4 wireless Performance Testing Platform has now the ability to control the octoScope programmable attenuator and turn table for covering a wide variety of performance tests such as LTE-U and Wi-Fi Coexistence and Throughput versus Attenuation versus Rotation.

The integration of the octoBox modules in the AT4 wireless Testing Platform provides many functional and usability features. We can highlight:



- Single Graphical User Interface for scripts definition and KPI reporting
- QoS and QoE KPIs in RF repeatable environment
- Automated test suite for Below Energy Detect Wi-Fi and LTE-U coexistence measurements



AT4 wireless Performance Testing Platform Highlights

- Graphical User Interface
- Packet Level KPI Resolution
- QoS KPIs: Throughput, One-way Delay, One-way Jitter, and One-way Packet Loss
- QoE KPIs: YouTube, Spotify, Web Browsing, File Transfer, Facebook
- Highly configurable traffic generator: Constant Bit Rate, Ramps, Loops and Bursts.
- Pass/Fail criteria per data flow based on KPI average and percentile
- Power supply control for device rebooting between test cycles
- Real WLAN Access Points control for roaming scenarios

octoScope stack Highlights

- Stand-alone compact industry-standard benchmark
- Wi-Fi (802.11a/b/g/p/n/ac), cellular (GSM, UMTS, LTE, LTE-Advanced), Bluetooth, ZigBee, etc.
- Excellent MIMO-OTA environment optimized for very high throughput
- Multipath emulation of IEEE standard 802.11 indoor environment
- Supports up to 8x8 MIMO of any channel width in the 700 MHz to 6 GHz frequency range
- Adds realistic multi-channel interference using the iGen™ interference generator module
- Can be left running for days for extensive averaging or fine resolution of attenuation and rotation steps or multiple interference scenarios

About AT4 wireless

AT4 wireless (a DEKRA company) is a leading network of testing laboratories offering world-class services for carrier device acceptance, performance, conformance, regulatory, field, functional and interoperability testing as well as worldwide compliance and type approval consulting in over 200 countries.

AT4 wireless offers testing, consultancy, development and training services to a wide range of industries as telecommunications, automotive, health, consumer electronics, industrial and security around wireless, cellular technologies; in fact, AT4 wireless testing and certification laboratories have a leading position in the Connected Car and Internet of Things markets.

AT4 wireless offers one-stop testing and compliance services to the telecommunications industry, ensuring an efficient access to the global markets.

AT4 wireless was founded in 1991, has more than 300 employees worldwide and supports customers globally with headquarters in Malaga, Spain, and testing laboratories in the United States, Taiwan, Chile and Japan.

AT4 wireless is a DEKRA company since its acquisition in June, 2015 by the international expert organization.

**Japan's AT4 wireless testing lab. in cooperation with Toyo Corp.*

About octoScope

octoScope is the market leading supplier of wireless testbed solutions and services to companies building or deploying wireless devices and networks. The octoBox wireless testbed guarantees a repeatable and consistent environment with powerful automation that eliminates human error in testing. octoBox speeds time to market and helps engineers achieve the best performance of wireless systems by enabling scriptable measurements of MIMO throughput, roaming, interoperability and coexistence of disparate unlicensed technologies. octoScope, a recipient of a National Science Foundation award, redefines the accuracy, stability, economics and value of over-the-air wireless testing.

About DEKRA

DEKRA has been active in the field of safety for 90 years. Founded in 1925 in Berlin as Deutscher Kraftfahrzeug-Überwachungs-Verein e.V., it is today one of the world's leading expert organizations. DEKRA SE is a wholly-owned subsidiary of DEKRA e.V. and manages the Group's operating business. DEKRA generated sales of around €2.7 billion in 2015. The company currently employs around 37,400 people in more than 50 countries on all five continents. With qualified and independent expert services, they work for safety on the road, at work and at home. These services range from vehicle inspection and expert appraisals to claims services, industrial and building inspections, safety consultancy, testing and certification of products and systems, as well as training courses and temporary work. The vision for the company's 100th birthday in 2025 is that DEKRA will be the global partner for a safe world.

For more information, please visit:

www.at4wireless.com

www.dekra.com