



octoScope's octoBox personal testbed supports the new Wi-Fi 6E band

The octoBox® wireless personal testbed supports the new 6 GHz band recently approved for Wi-Fi operation by the FCC

Littleton, Massachusetts, May 6, 2020 - octoScope®, the leader in accurate, repeatable and automated [wireless personal testbeds](#), has announced that its octoBox® testbed supports operation in the 6 GHz band approved for use by Wi-Fi by the FCC on April 23, 2020. The Wi-Fi Alliance branded this new spectrum and devices supporting it as Wi-Fi 6E.

Wi-Fi 6E devices are expected to be deployed this year.

With the addition of 1200 MHz of spectrum, extending to 7.125 GHz, Wi-Fi 6E makes available 14 new 80 MHz channels and 7 new 160 MHz channels. This spectrum is needed for high-bandwidth applications, such as high-definition video streaming and virtual reality.

The octoBox wireless personal testbed has been verified to support the entire Wi-Fi 6E band and beyond. All RF subsystems of the octoBox are now specified to 7.5 GHz. The new RF specifications for the octoBox subsystems are available on the octoScope website at the following links: [quadAtten®](#), [MPE](#) (multipath emulator), [antennas](#) and [splitters](#).

octoBox is a turnkey automated testbed for testing Wi-Fi devices and systems. It comes complete with integrated traffic tools to measure performance, motion and distance emulation to test roaming and range, multipath emulation to test the Wi-Fi radios. The testbed is controllable via a browser-based UI and automatable via REST API.

Please click [here](#) for a downloadable image.

About the octoBox personal wireless testbed

Stackable and configurable [octoBox personal testbeds](#) are completely isolated from external interference and can be used at an engineer's office or lab bench.

Each octoBox testbed is controlled by a dedicated Node.js web server accessible via a browser UI for manual control, or via REST API for test automation. The server provides the time base for the testbed and controls the built-in instruments, DUT configuration, traffic, and test flow. Test results are saved in a MongoDB database, enabling multiple teams to easily collaborate by sharing the test automation scripts and test results.

About octoScope

[octoScope](#) is the market leader in isolated, repeatable and automated wireless personal testbeds. Our patented technology redefines the accuracy, stability, economics and value of over-the-air wireless testing. The octoBox testbed is configurable for automated regression test sequences with a range of airlink conditions and interference scenarios. The octoBox testbeds are scalable to support a single DUT or multi-node mesh systems under test.

The testbeds feature powerful technologies to evaluate the behavior and performance of a broad range of wireless devices and systems. The tested capabilities include protocol monitoring, test traffic generation, motion and multipath emulation, interference generation and device emulation.

See [what our customers say](#) about the octoBox.

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