

HEAD acoustics provides interoperability with first test solution for 5G VoNR

HEAD acoustics hardware and software solutions have now proven feasibility with the first solution on the market for testing communication quality of 5G (VoNR)-capable devices: The hardware platform *labCORE* and the measurement and analysis software ACQUA are interoperable with the latest radio communication tester by the US-American company Keysight Technologies, Inc. Combining *labCORE*, ACQUA and the Keysight E7515B UXM 5G, it is possible to establish a voice call in a 5G as well 4G (VoLTE) network. Manufacturers of 5G-capable telecommunication devices are thus able to test the voice quality of their devices.

5G connection establishment

The device under test registers via 5G/4G network at the IP multimedia subsystem (IMS) server of the Keysight platform. *labCORE* connects to this platform via wired Ethernet and also registers at its IMS server. Within ACQUA, users can establish a voice call between *labCORE* and the device under test. “This interoperability is another milestone for our customers in terms of testing and optimizing communication quality of 5G devices. I am more than confident that our solution will be compatible with other platform providers in the near future”, says Christian Schüring, sales manager Telecom at the HEAD acoustics GmbH. The German-based company has published an application note with detailed information on how to establish 5G/4G connection to *labCORE* via the Keysight radio tester. The document is publically available on the company website: <https://www.head-acoustics.com/service/knowledge/application-notes-voice-audio>

About HEAD acoustics

HEAD acoustics GmbH is one of the world's leading companies offering holistic solutions for sound and vibration analysis. In the telecom sector, the company enjoys global recognition due to the expertise and pioneering role in the development of hardware and software for the measurement, analysis and optimization of voice and audio quality as well as customer-specific solutions and services. HEAD acoustics' range of services covers sound engineering for technical products, investigation of environmental noise, speech quality engineering as well as consulting, training and support. The medium-sized company from Herzogenrath near Aachen has subsidiaries in China, France, Italy, Japan, South Korea, the UK and the USA as well as numerous sales partners worldwide.

Image



The hardware platform *labCORE* and the analysis software ACQUA in combination with Keysight's latest Radio Tester now enable voice quality testing of 5G (VoNR)-enabled devices.