

## **Global Certification Forum: HEAD acoustics provides world's first certified test solution for super-wideband-capable mobile devices**

HEAD acoustics is the world's first - and up to now the only - manufacturer of measurement technology to have received approval from the Global Certification Forum (GCF) and the PCS Type Certification Review Board (PTCRB) responsible for North America for its test solution for super-wideband-capable mobile devices. The successfully certified test platform TP 190 consists of two main components: the communication quality analysis system ACQUA and the hardware platform *labCORE*. This certified solution enables mobile phone manufacturers, mobile network operators and test service providers to test the conformity of their devices according to GCF Work Item 252.

### **Release 12.8.0 of the 3GPP standards TS 26.131 and TS 26.132 as basis**

Based on the 3GPP standards TS 26.131 and TS 26.132 Release 12.8.0, an independent test laboratory has conducted the comprehensive audio test cases for all narrowband, wideband and super-wideband scenarios. The certified system consists of established measurement technology from HEAD acoustics. The hardware platform *labCORE* - including required extensions for VoLTE telephony like *coreIP*, *coreIP-EVS*, *coreIP-AMR* and *coreIP-IMP* - allows data acquisition and signal conditioning for the communication analysis system ACQUA. The software, on the other hand, offers a wide range of options for evaluating communication quality. In addition to the main components ACQUA and *labCORE*, the artificial head measurement system HMS II.3, the motorized handset positioner HHP IV and the background noise simulation system HAE-BGN are part of the certified test platform.

"This certification emphasizes the leading role of HEAD acoustics in the field of measurement technology for voice and audio quality of state-of-the-art mobile devices," says Dr. Hans W. Gierlich, Managing Director Telecom at HEAD acoustics. "With our test platform, we provide our customers an efficient and automated solution to test the audio performance requirements of GCF and PTCRB for their 3G and 4G devices and to optimize their signal processing".

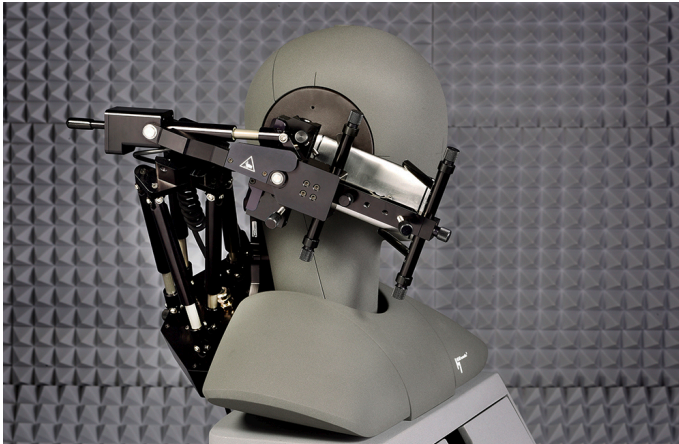
## About HEAD acoustics

HEAD acoustics GmbH is one of the world's leading companies for integrated acoustic solutions as well as 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, voice quality engineering as well as consulting, training and support. The medium-sized company from Herzogenrath near Aachen (Germany) has subsidiaries in China, France, Italy, Japan, South Korea, the UK, and the USA as well as numerous sales partners worldwide.

## Images



The successfully certified test platform TP 190 consists of two main components: the communication quality analysis system ACQUA and the hardware platform *labCORE* including the extensions required for VoLTE telephony such as *coreIP*, *coreIP-EVS*, *coreIP-AMR* and *coreIP-IMP*.



The artificial head measurement system HMS II.3 and the motorized handset positioner HHP IV are also part of the certified test platform.