



3PASS - REALISTIC TESTING MATTERS

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ABSTRACT

HEAD acoustics demonstrates the need for testing the voice and audio quality of modern communication devices in a wide variety of realistic environments with different spatial conditions. The new HATS HMS II.3 LN HEC with low noise microphones and human-like ear canal will be shown in a live demo in conjunction with 3PASS simulation system.

3PASS simulates a realistic environment with typical everyday acoustical situations such as background noise and reverberation. The system complies with ETSI standards TS 103 224 and TS 103 557, using the background noises and reverberation scenarios contained therein but allowing to record and integrate user specific noise and reverberation situations. Different microphone arrays (MSA I & MSA II) provide microphone configurations for different use cases (handset, hands-free, and headset).

Besides the demonstration of the test setup visitors can take a seat instead of the HATS, experiencing the quality and accuracy of the simulated environment which can be used for auditory testing as well.