Brüel & Kjær

bulletin

Voice Testing System for Mobile Phones

Ensuring High-quality Audio Performance of Mobile Phones with PULSE™

Voice Testing System Type 6712 provides a new approach to voice testing of mobile phones in a fast, reliable and efficient way.

The Type 6712 Platform

The Voice Testing System for mobile phones is a powerful tool for the entire development and production process of mobile phones. Besides being a solid foundation for Type 6712 applications, the PULSE platform provides a wide range of analysis capabilities for verification of the acoustic design during development, and is a versatile platform for objective and subjective evaluation of specific components such as noise suppressors, echo chancellors, etc.

Easy and Straightforward

Pre-programmed test suites according to commonly used standards and recommendations for testing mobile phones are included.

These test suites provide test cases that can be run individually or as a complete sequence with minimum operator interaction. The flexible user interface enables high-level users to modify test conditions such as parameters and tolerances.

Advanced Analysis

By using advanced noise excitation, the speech codec can be included in the measurement path. This implies that the antenna is used as the access point. Accordingly, the full receive and transmit signal paths are measured giving realistic measurements of the full signal paths. Advanced noise-excitation test methods include artificial speech signal ITU-T P.50 and continuous pink noise. Adaptive test methods for sine excitation ensure highly accurate results even in noisy environments.

Ear Simulators and Air Interfaces

Voice Testing System Type 6712 supports the use of Type 1, Type 3.2 and Type 3.3 (HATS) ear simulators.

It also supports automatic control of the most commonly used air interfaces as well as manual control of other interfaces.

Documentation

Extensive measurement reports are automatically generated in Microsoft® Word. Measurement results can be exported in various formats for import in Microsoft® Word or Microsoft® Excel.

FEATURES AND BENEFITS
- *Easy control of measurements using Windows® XP and Windows® 2000 – saves operator training time*
- *Step-by-step guide ensures correct measurement setup, reducing the number of erroneous measurements*
- *Accurate measurements obtained by advanced calibration procedures, ensuring high quality measurements first time*
- *Standardised measurements are accomplished using standardised Brüel & Kjær Ear Simulators, Mouth Simulators and analysis, ensuring that pre-qualification and product approval are easily accomplished*

Standardised Testing

Type 6712 supports the testing of GSM and UMTS mobile phones according to GSM 03.50, GSM 11.10, and 3GPP TS.26.132. AMPS/CDMA testing according to generic test specifications are also supported.

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Want to Know more?
Check out our website at
www.bk.dk