



19 August 2024

The Manager
Company Announcements Office
ASX Limited
Exchange Centre
20 Bridge Street
Sydney NSW 2000

Company announces validation of the Sound Pressure Level (SPL) performance of its Gen-II MEMS transducer.

The company is thrilled to announce that the sound pressure levels (“SPL” or “loudness”) attained by MEMS-GEN-II have been validated to meet the ambitious commercial objectives of its revolutionary Digital Sound Reconstruction (DSR) loudspeaker platform.

This milestone, coupled with the exceptional sound quality already demonstrated, marks a significant digital revolution in sound reproduction—a long-sought achievement in the estimated 20-billion-unit annual market for both single and multichip applications.

As has been previously reported, a number of proprietary design elements were incorporated into MEMS GEN-II chip design. These innovations were designed to complement the incomparable sound quality demonstrated in our Gen-I prototype chips, by offering a substantial increase to the chip’s sound pressure levels. Measurements conducted on both 6” and 8” wafers in our cleanroom, fully validate the accuracy of our multiphysics simulation models. These measurements confirm the commercial performance objectives established for our DSR platform.

While some engineering tasks remain to complete commercialization efforts, the Company’s patented DSR platform, which is substantially different to ANY other in the market (MEMS or otherwise); has now been confirmed to be capable of delivering a transcending audio experience to the overwhelming majority of consumer and pro applications for both micro and macro speakers.

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The company and its vendor network now shift focus to advance from sample wafers, to packaged chips and upgrading the peripheral circuitry required to maximize product performance and effectively scale chip manufacturing. Initial chips will serve to repeat (and publish) performance specifications when conducted in accordance with loudspeaker industry standards, as well as to serve our demonstration systems and customer engineering samples.

Management intends to convene a Shareholder meeting upon availability of demonstratable chips and systems.

This announcement has been authorised for release to ASX by Fred Bart.

About Audio Pixels Holdings Limited

Audio Pixels Limited, founded in 2006, is a wholly owned subsidiary of Audio Pixels Holdings Limited, listed in Australia under the stock code of AKP (Level 1 ADR's on OTC - ADPXY). Backed by exceptional multidisciplinary scientific research, design, and production capabilities, Audio Pixels has become a world leader in digital loudspeaker technologies. Audio Pixels' patented technologies employ entirely new techniques to generate sound waves directly from a digital audio stream using micro-electromechanical structures (MEMS). Its revolutionary technological platform for reproducing sound enables the production of an entirely new generation of speakers that will exceed the performance specifications and design demands of the world's top consumer electronics manufacturers. For more information, visit www.audiopixels.com.au/.

Forward-looking statements

This release may contain certain forward-looking statements with respect to the financial condition, results of operations and business of AKP and certain of the plans and objectives of AKP with respect to these items. By their nature, forward-looking statements involve risk and uncertainty because they relate to events and depend on circumstances that will occur in the future and there are many factors that could cause actual results and developments to differ materially from those expressed or implied by these forward-looking statements.

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