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Akoustis ™ Achieves Technology Milestone Enabling Commercial Mobile Wireless Engagements

- Company achieves resonator Q of 2090 which is suitable for high band BAW RF Filters -

Charlotte, N.C., Aug. 08, 2016 (GLOBE NEWSWIRE) -- Akoustis Technologies, Inc. (OTCQB: AKTS) ("Akoustis" or the "Company"), a manufacturer of innovative BulkONE™ bulk acoustic wave (BAW) high band RF filters for mobile wireless, announced today it has improved its single-crystal BAW resonator design and process technology to achieve a quality factor (Q) of 2090, which is suitable for BAW RF filters targeting 4G/LTE, WiFi and emerging 5G and 5G WiFi mobile wireless applications.

Today's reported Q is a result of continuous modeling, design and fabrication process improvements in the Company's patented single-crystal resonator technology. Over the past 9-months, the Company has achieved rapid progress in device performance, including a 6-fold improvement in Q, from 350 to 2090. The high Q performance is a critical parameter in the development of low insertion loss, high-selectivity filters that improve end user experience with latest 4G/LTE and WiFi mobile wireless devices, including smartphones, tablets and wearable devices. The results demonstrated utilize the Company's single-crystal AlGaN piezoelectric materials used in the fabrication of high-band resonators, which are the building blocks of RF filters.

The Company is currently combining its high-performance, single-crystal AlN piezoelectric material with the process improvements responsible for delivering high Q. The resulting process is expected to deliver high-performance BAW RF filters for high-band applications. The Company plans to begin qualifying this process technology later this year.

Jeff Shealy, CEO of Akoustis, commented, "The resonator design and process technology improvements, which delivered the Q improvements for our AlGaN piezoelectric material, are expected to directly transfer to our high bandwidth, single-crystal AlN platform." Mr. Shealy added, "Based upon our market engagements, we believe this Q achieves a technology milestone which will lead to one or more near-term strategic engagements for the development of high-band RF BAW filters."

Akoustis continues to meet with multiple design clients to share its single-crystal resonator and RF filter results. The Company is currently focused in three areas: (a) expanding its process capabilities to deliver high Q resonators, (b) ongoing materials development to deliver high K-squared resonator bandwidth performance, and (c) designing and fabricating RF filter prototypes in support of engagements with potential design clients and strategic partners.

About Akoustis
Akoustis™ (http://www.akoustis.com) is a high-tech RF filter solutions company that manufactures its unique, patent-pending BulkONE™ technology to produce single-crystal bulk acoustic wave (BAW) filters for the mobile-wireless industry, which facilitate signal acquisition and accelerate band performance between the antenna and the back end of mobile devices. Its BulkONE™ technology will service the fast growing multi-billion dollar market of device OEMs, network providers, and consumers to diminish Front End phone heat, battery drain and signal loss -- all considered to be directly related to current RF polycrystalline filter technologies' limitations. Akoustis' "fabless" business model is capital efficient, leveraging existing manufacturing infrastructure in the semiconductor industry. Akoustis™ is located in the Piedmont technology corridor between Charlotte and Raleigh, North Carolina.

Forward-Looking Statements
Statements in this press release that are not descriptions of historical facts are forward-looking statements that are based on management's current expectations and assumptions and are subject to risks and uncertainties. In some cases, you can identify forward-looking statements by terminology including "anticipates," "believes," "can," "continue," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "should," "will," "would" or the negative of these terms or other comparable terminology. Factors that could cause actual results to differ materially from those currently anticipated include, without limitation,

 risks relating to the results of our research and development activities, including uncertainties relating to semiconductor process manufacturing;
 the early stage of our BulkONE™ technology presently under development;
 our need for substantial additional funds in order to continue our operations and the uncertainty of whether we will be able to obtain the funding we need;
 our ability to retain or hire key scientific, engineering or management personnel; our ability to protect our intellectual property rights that are valuable to our business, including patent and other intellectual property rights;
 our dependence on third-party manufacturers, suppliers, research organizations, testing laboratories and other potential collaborators;
 our ability to successfully market and sell our technologies;
 the size and growth of the potential markets for any of our technologies, and the rate and degree of market acceptance of any of our technologies;
 competition in our industry; and
 regulatory developments in the U.S. and foreign countries.

In light of these risks, uncertainties and assumptions, the forward-looking statements regarding future events and circumstances discussed in this press release may not occur, and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. The forward-looking statements included in this presentation speak only as of the date hereof, and, except as required by law, we undertake no obligation to update publicly or privately any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations. The materials do not constitute an offer to sell, or the solicitation of any offer to buy, any securities of Akoustis, or any other entity whatsoever. Any representation to the

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